HOLDEN

CALIBRA

OWNER'S HANDBOOK
YE SERIES

Owner's Name.....

Address .....

Town.....

State .....Postcode.....

Model Name .....

Reg. No. .....Eng. No. .....

Odometer Reading .....

Date of Purchase.....

17 character I.S.O. V.I.N. .....

12 character Holden Identification Plate number .....

Vehicle Identification Certificate

Selling
Dealer's
Stamp & Signature .....

Change of address/ownership

It may be necessary for General Motors-Holden's Automotive Ltd. Aust.Co.No. 006 893 232 (hereinafter Holden's) to contact Holden owners from time to time. Therefore, records are kept of owner's names and addresses.

So we can keep these records up to date, please complete the form on pages 10-37 or 10-35 and forward to Holden's at the address shown on the back of this form if

a) you change your address

b) you have purchased this car from a previous owner.

Part No. 92041604
October 1992 (Print 4)

We thank you for choosing Holden's and want to assure you of our continuing interest in your motoring pleasure and satisfaction.

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- ACCIDENT PROCEDURES Page 4-2
- WARRANTY Page 5-2
- CHANGING A WHEEL Page 4-5
- OTHER EMERGENCIES Page 4-1
- FUEL Inside Rear Cover
- LIST OF DEALERS ACROSS AUSTRALIA Page 5-9
- CUSTOMER ASSISTANCE Page 5-18
- KNOW YOUR CAR Page 1-1

This handbook applies to all Calibra models. As specifications may vary depending on the model and options included you may find reference to some equipment not installed in your car.

All information, illustrations and specifications in this handbook are based on the latest production information available at the time of printing. Holden's reserves the right to make changes at any time without notice and without incurring any obligation.

CONTENTS

The first page of each chapter contains a "chapter index"

Chapter 1 ..... **INSTRUMENT PANEL** ..... page 1-1

The first page of this chapter illustrates the instrument panel, identifying the gauges, warning lights, controls and switches. Page reference numbers are listed next to each item.

Chapter 2 ..... **KNOW YOUR CAR** ..... page 2-1

This section covers the other features of your car, not appearing on the instrument panel. Features covered include keys and locks, seat adjustment, seat belts, child restraints, windows, mirrors, park brake etc.

Chapter 3 ..... **STARTING AND DRIVING** ..... page 3-1

Please read chapters 1 and 2 to familiarise yourself with your car before proceeding to this section. This explains how to start your engine and the use of automatic and manual transmissions. There are also some precautions and fuel consumption notes.

Chapter 4 ..... **ACCIDENTS & EMERGENCIES** ..... page 4-1

The first two pages of this chapter show what to do at the scene of an accident, including giving medical assistance. Following, are some emergency procedures, including wheel changing, starting when the battery is flat, engine overheating, and towing a disabled car.

Chapter 5 ..... **WARRANTY, AUTHORISED HOLDEN DEALERS, CUSTOMER ASSIST.** ..... page 5-1

This sets out the terms of your warranty, lists the Holden Dealers across Australia and explains what to do if you need Customer Assistance.

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Chapter 6..... **WEEKLY CHECKS** ..... page 6-1

As well as taking your car in for a service, there are a few simple checks that the owner must make. These are clearly shown and illustrated. They include checking the oil, water, automatic transmission fluid, brake and power steering fluid levels. It also shows how to top up the washer fluid and check your tyres.

The end of the chapter shows how to replace your car's light bulbs should the need arise.

Chapter 7..... **TOWING** ..... page 7-1

This has general guidelines regarding towing a caravan or trailer - as well as loading capacities and safe towing tips.

Chapter 8..... **CLEANING** ..... page 8-1

Listed are the cleaning agents (and their application) that you should use to look after your car.

Chapter 9..... **SPECIFICATIONS & EMISSIONS** ..... page 9-1

This lists specifications, capacities and general replacement parts, including oil, coolant, and fluids. Also included is information relating to the emission control features fitted to your car.

Chapter 10..... **SERVICE/MAINTENANCE SCHEDULE** ..... page 10-1

This shows when your car requires servicing and what is done at each service. Also included are the coupons that are used when you take your car to a Holden Dealer to be serviced.

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REFUELLING ..... inside rear cover

Chapter 1

Instrument Panel

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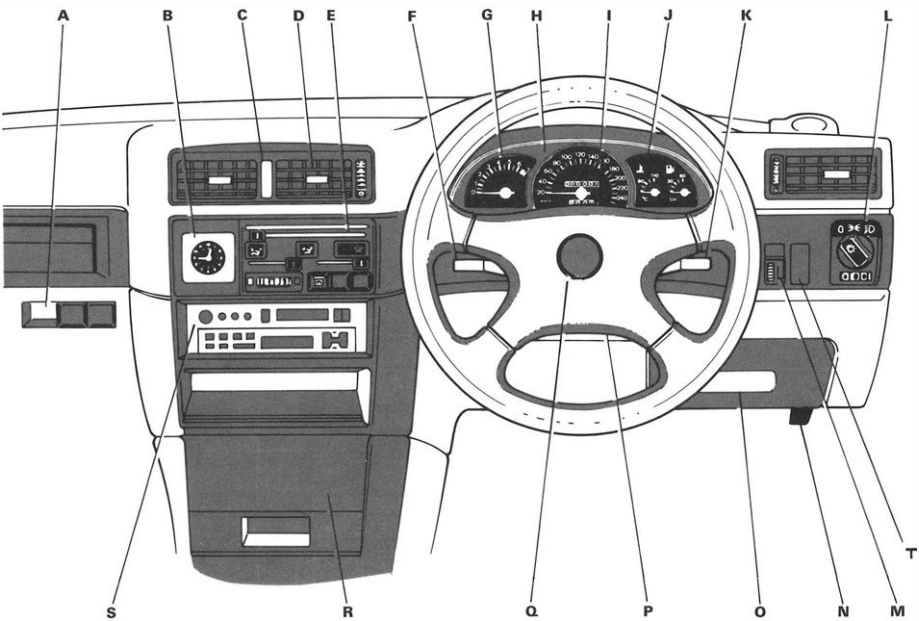
A
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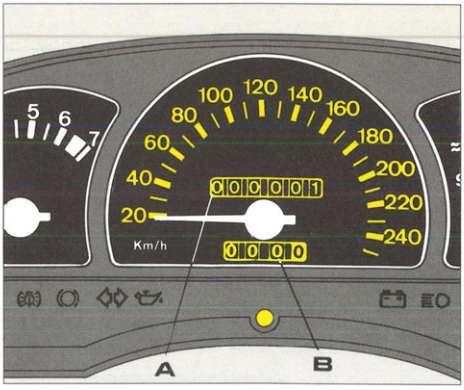
Speedometer

The Speedometer gauge indicates speed in kilometres per hour.

The odometer (a) records kilometres travelled since the car was built.

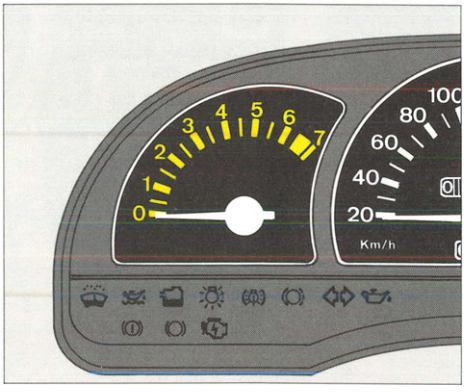
The tripmeter (b) records kilometres travelled on a particular trip. Push the tripmeter knob (beneath the tripmeter) to reset the tripmeter reading to zero.



Tachometer

The tachometer indicates the engine speed in revolutions per minute (r.p.m.) x 1,000.

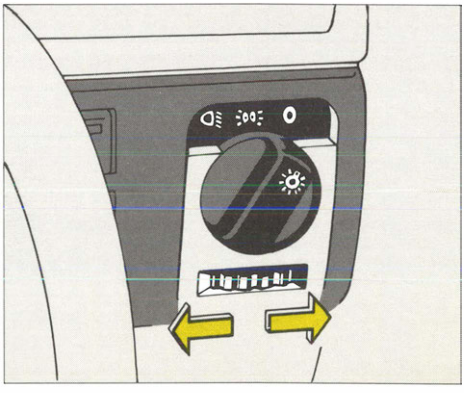
Sustained operation in the RED zone will cause serious engine damage.

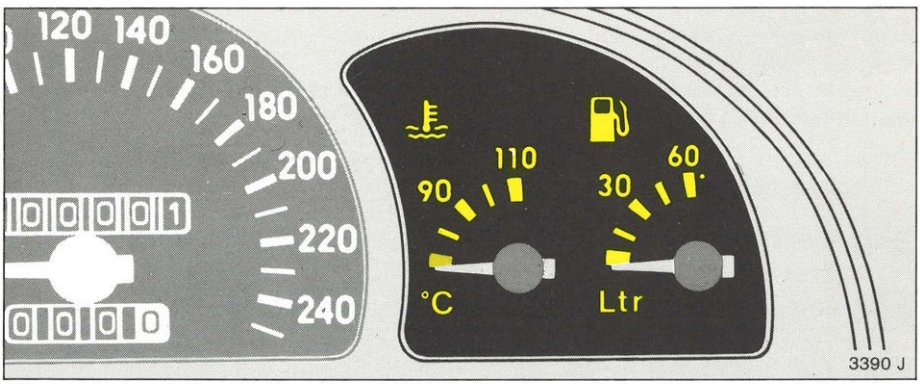


Dimmer

Gauges are illuminated when the headlights or park lights are switched on.

Brightness can be adjusted by turning the knurled knob.





Engine temperature gauge

Check operating temperature.

Blue = Engine operating temperature not yet reached.

Black = Normal temperature

Red = Temperature too high.
Switch off engine.
Refer page 4-8 'overheating'

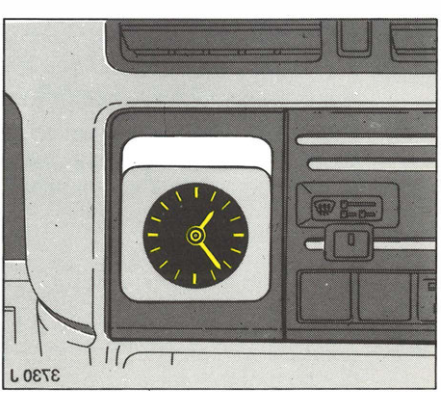
Fuel gauge

Pointer in red area = Fill up!

Refer to information on the inside of the rear cover of this Handbook when refuelling.

Electric clock

To adjust, turn the small knob in the centre of the clock face.



Check control (if fitted)

When the ignition is first turned on, the following 6 check control lamps are illuminated. If all the monitored systems are OK, they go out again after approx. four seconds, except for the 'light bulb failure - brake', which goes out once the brakes have been used and the bulb has been checked.

If the symbols do not go out at the appropriate time, or if they come on then driving, you should take the appropriate action.

Windshield washer fluid low Top up windscreen fluid, refer page 6-7.

Low engine oil level Top up engine oil, refer page 6-3.

Low engine coolant level Top up engine coolant, refer page 6-4. Remember that coolant should NEVER be added to a hot engine if the engine is not running.

Light bulb failure - headlight or tail light Replace bulb, refer page 6-14 or 6-16.

Light bulb failure - brake Replace bulb, refer page 6-16.

Front disc brakes pads low See your Holden Dealer.

Turn signal indicator

Flashes when turn signal lights are on. If the symbol flashes rapidly a turn signal lamp bulb has failed.

Oil pressure

Lights up when ignition is switched to II (ON) and goes out after engine is started. It can light up intermittently when idling if engine is hot, but must go out when engine speed is increased.

If illuminated during driving, switch off engine immediately Check the engine oil level. If the level is normal, have the system checked at your nearest Holden Dealer. Do not run the engine with this light on.

Brakes

If illuminated while driving a brake system problem is indicated. Stop as carefully as possible. Do not proceed until satisfied that cautions progress is possible or that the cause of the problem has been fixed.

Park brake

Lights up when ignition is switched to II (ON) when park brake is applied.

Check engine

Your car if fitted with an Electronic Engine Management System. The check engine symbol indicates when system service is required.

The symbol lights up when the ignition is turned to II (ON) during starting and goes out shortly after engine starts to run.

When driving, the symbol may light up briefly and then go out again. This is of no significance. However, if it often or continuously lights up then service to the Engine Management System is required.

Although the car may still be drivable and does not require towing, see your Holden Dealer as soon as possible as continued driving could affect fuel consumption, engine performance or may damage the catalytic converter.

Low fuel (in gauge)

Lights up when fuel gauge enters red zone and will come on earlier when driving round bends. Never let tank become empty.

Refer to information on the inside rear cover of this handbook when refuelling.

Alternator

Lights up when ignition is switched to II (ON) and goes out after starting engine.

If if lights up during driving then the battery is not being charged and you should see a Holden Dealer.

High beam

Light up when headlight high beams are in use.

Sporty drive programme (automatic transmission)

Lights up when sporty drive programme selected, refer page 3-4. However, if light flashing, consult a Holden Dealer.

ABS (Anti-lock Brake System)

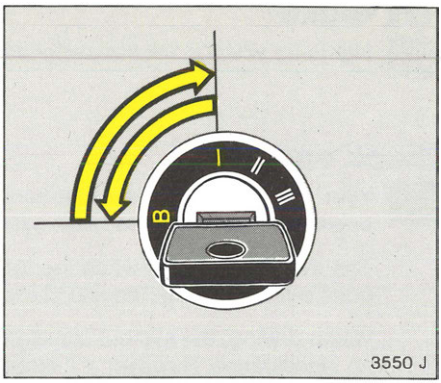
Lights up when the engine is switched to II (ON) and goes out after the engine is started. If it does not go out or if it comes on during driving, there is a defect in the ABS. The car's brake system remains operational but without ABS assistance, refer page 3-9. You should consult your Holden Dealer as soon as possible.

B (lock) Steering locked, ignition off.

I (off) Steering unlocked, ignition off

II (on) Ignition on

III (start) Start the engine



To release steering column lock:

To release the lock, move the steering wheel slightly and turn the key to position I.

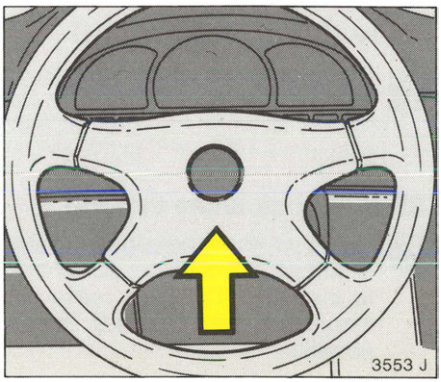
To lock steering column:

Withdraw key in position B. Rotate steering wheel until the lock is heard to engage.

CAUTION: Do not turn the engine off while the car is moving. Power assisted equipment (such as brakes or steering) which are operated by the engine will be ineffective. Never remove the key while the car is in motion as this will lock the steering of the car.

Horn

When ignition in turned to II (on), press to activate.



Windshield wipers

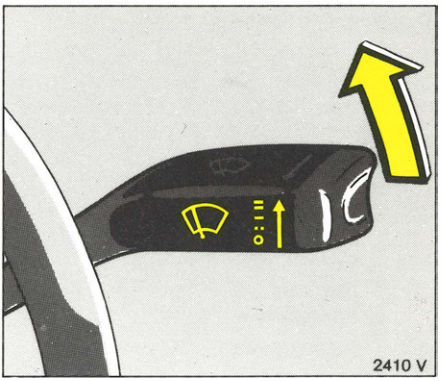
Move the lever upwards.

O = Off

-- = Intermittent

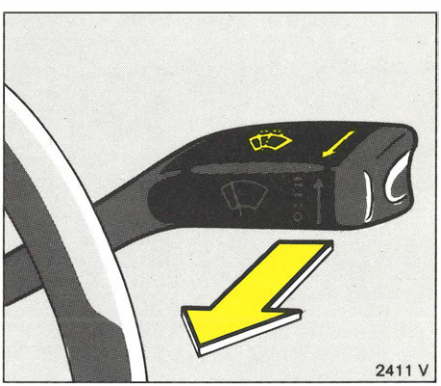
— = Slow

═ = Fast



Windshield washer

Never operate with wipers on dry glass, as this will damage the rubber. To spray washer fluid onto the windshield, pull the lever toward you. At the same time the wipers are operated for several sweeps.

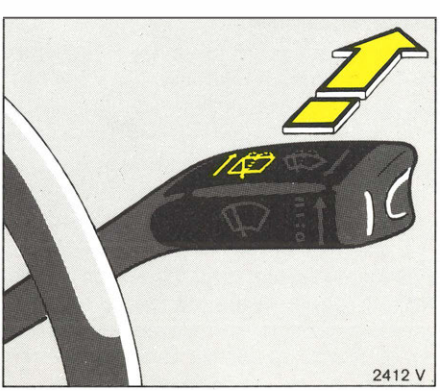


Tailgate washer

Push lever away from the steering wheel.

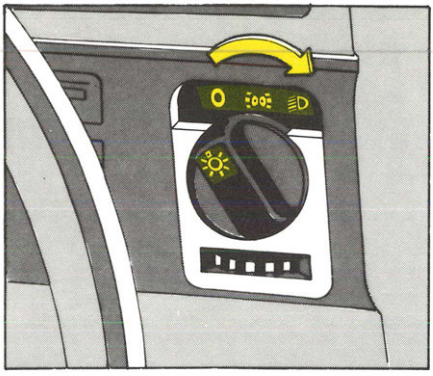
First position = intermittent wiper position.

Hold in second position to obtain a spray of fluid on the rear glass.



Rear fog lights (if fitted)

The switch for the rear fog lights is located just to the left of the switch for the headlights. The fog lights are *on* when the light in the switch glows yellow.



Light switch

0 = Off

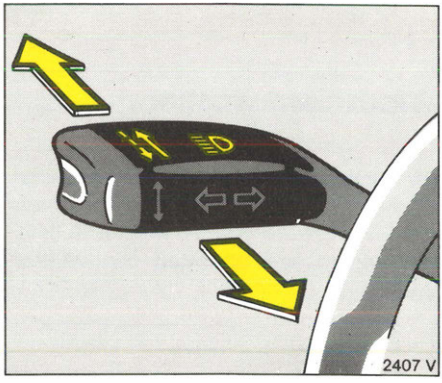
= Park lights (includes tail lights, licence plate light and engine compartment light)

D = Park lights plus headlights

= pull to turn on courtesy light (page 2-14)

High/low beam

When the headlights are switched on, push the lever away from you, until you feel a click, then release.The headlights will change from low to high beam. Pull the lever back towards the steering wheel to return to low beam. When the high beams are in use a symbol on the instrument panel will glow.



It is also possible to flash the high beams for signalling purposes (even if the headlights are off) by pulling the lever towards you. The lights will remain in high beam as long as the lever is held.

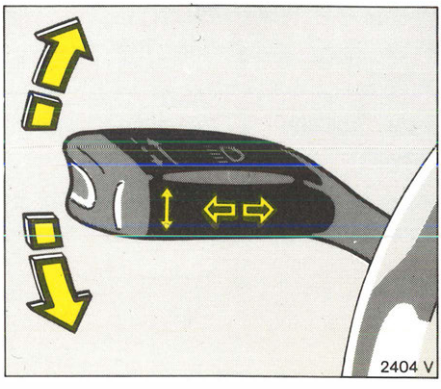
Leaving the headlights switched on without the engine running will eventually flatten the battery. A warning buzzer is designed to remind you to switch off the headlights.

The headlight range may be adjusted to suit the current load in the car. Range adjustment is made by turning the toothed wheel, located to the left of the headlight/park light switch. 0=Driver only; 1= all seats occupied; 2=all seats occupied and load in the luggage compartment; 3=driver's seat occupied and load in the luggage area.

Turn signals

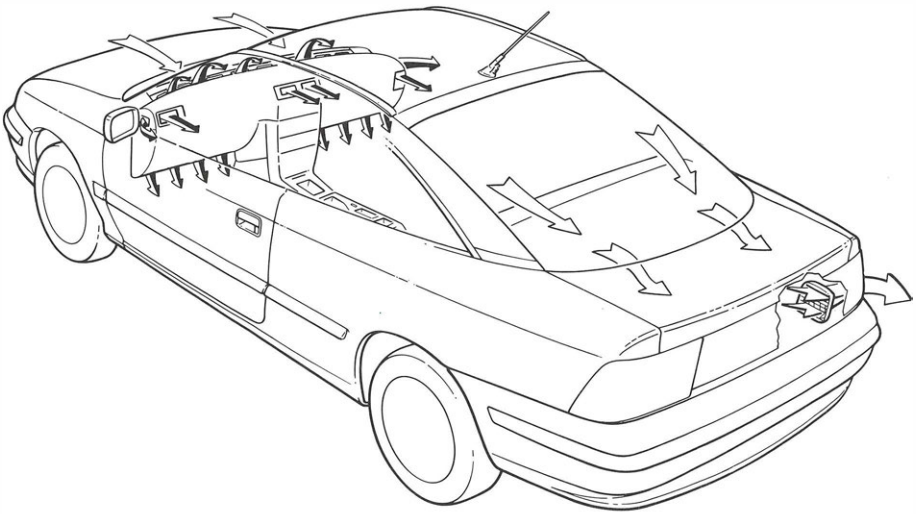
Push the lever up to signal a right turn, down to signal a left turn.

In some turns (such as changing lanes) the steering wheel is not turned far enough to cancel the turn signal. So, to indicate a lane change, move the lever part way and hold. The lever will return to the neutral position when released.

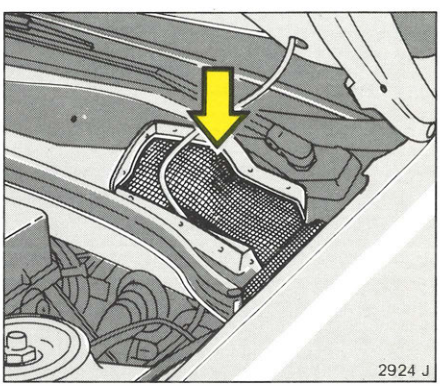


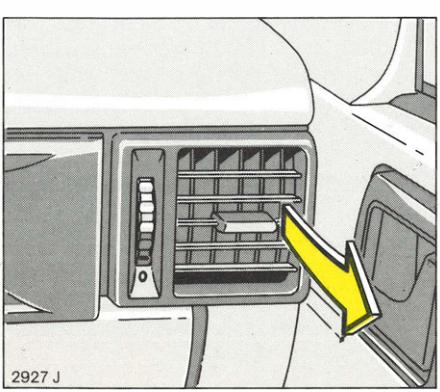
Parking side markers: When the ignition key is either removed or in the OFF position *and* the indicator lever is moved up or down, the corresponding *left* or *right* parkers (front and rear) will come on.

The car features a flow through ventilation system for your comfort. Under reasonable conditions, it shouldn't be necessary to open the windows at any time.



Outside air (except when the vents are closed) is drawn into the car through the opening at the base of the windshield. Do not allow this opening to become clogged with leaves or snow.

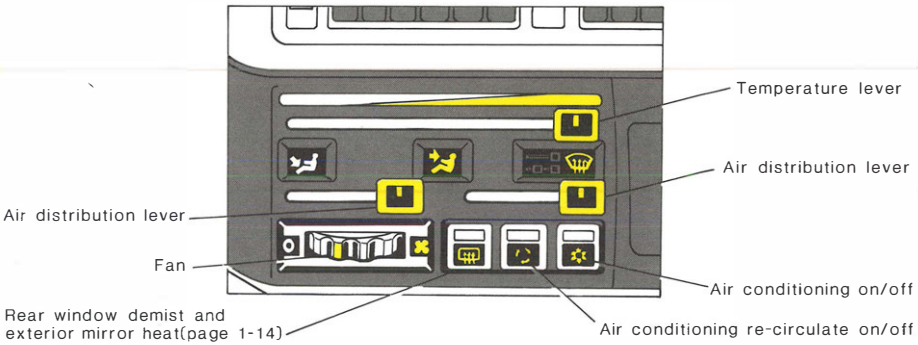




There are three types of vents through which air enters the cabin.

The demist and feet vents are not adjustable as they direct air to the windscreen, windows or feet in the best possible way.

However, the vents which direct air to the face are all adjustable. They can be swivelled and tilted as required. They can also be completely shut off by turning the side wheel to 0**(off).** Note that the centre vents act as a pair and are shut off or turned on together, by the one side wheel.



Temperature lever

To the left = cold; to the right = warm.

Fan

O = off; ✤ = Full speed

Note that the rate of air flow is determined by car speed, as well as by the fan, and therefore the fan should be switched on when driving slowly.

Air distribution levers

The two centre levers jointly control the distribution of air to the vents. The left lever can be switched to select either the foot or face vents. The right lever can be switched to select either face or demist.

Air conditioning

Air conditioning not only cools the air but also removes moisture, dust, pollen, etc. Then, if the temperature lever is moved away from extreme cold, the air will be re-heated before entering the cabin.

To conserve fuel, you may wish to switch off the air conditioning in cold weather, when the air does not require cooling. However, once every two weeks (with the engine running) switch the air conditioner on for 5 to 10 minutes, even in Winter. This will lubricate the air conditioning system and prevent the seals from drying out. Note that the air conditioning system will automatically switch off in very cold weather - when the air surrounding the engine is below approx. 4°C.

The air circulation switch can be used to select either re-circulate or outside air. Re-circulate re-uses interior air and is therefore not recommended for long periods of time. If occupants are smoking, it is recommended that the *re-circulate* position NOT be used, as the tobacco smoke adheres to the air ducts and will produce stale smelling air. Re-circulation cannot be selected when the right, air distribution lever is set to demist.

When air conditioning is selected the fan runs at a low speed, which can be increased if required. At least one vent must be open, when the air conditioning is ON, so that the evaporator does not ice up due to a lack of air movement.

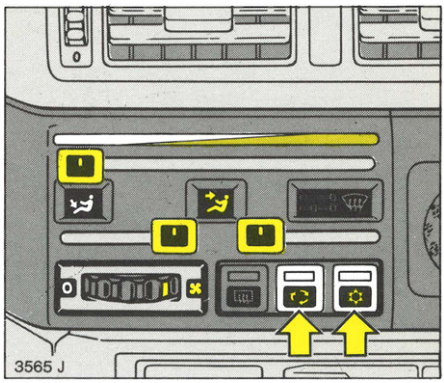
OZONE: Your air conditioning system uses 'R12' refrigerant which, if leaked into the atmosphere, reduces ozone. When alternative refrigerants become available R12 will be phased out of production. If your air conditioning system requires recharging (when R12 is no longer available) modifications to your car may be necessary.

Maximum cooling during hot weather or when the car has been left in the sun

Open windows briefly so that warm air can escape rapidly.

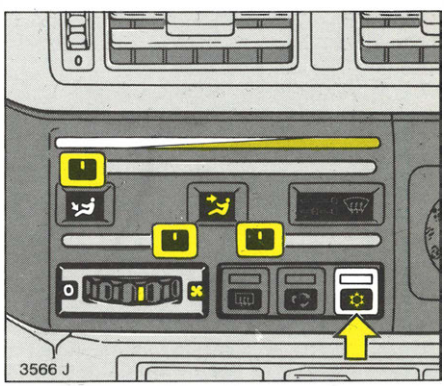
- air conditioning switch ON
- re-circulate switch ON
- move temperature lever to left
- both air distribution levers to face
- fan to highest speed
- open all vents

Do not leave re-circulation on for too long, as no outside air is drawn into the car. Cabin air is re-circulated.



Normal cooling

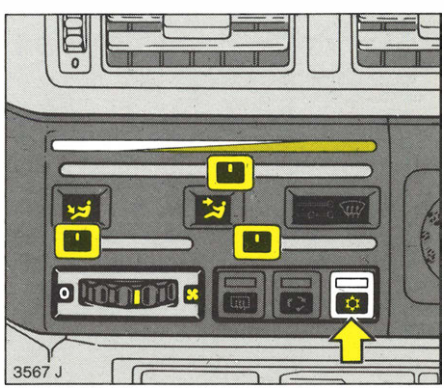
- air conditioning switch ON
- re-circulation switch OFF
- move temperature lever to left
- fan speed as required
- both air distribution levers to face
- open all vents



Bi-level (cool head, warm feet)

- air conditioning switch ON
- re-circulation switch OFF
- temperature lever, as required
- fan, as required
- left air distribution lever to feet
- right air distribution lever to face
- open all vents

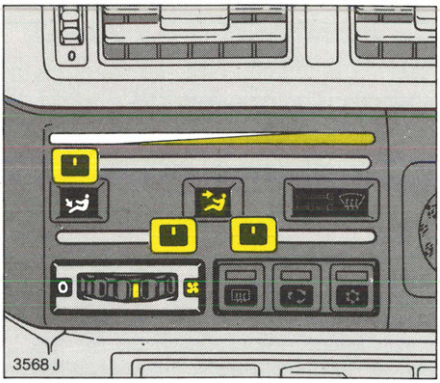
When the temperature lever is moved away from extreme cold or extreme hot, then the air from the centre face vents will be cooler than the air from the foot vents.



Ventilation without air conditioning

To conserve fuel when air does not require cooling.

- air conditioning switch OFF
- re-circulation switch OFF
- move temperature lever to left
- fan speed as required
- both air distribution levers to face
- open vents

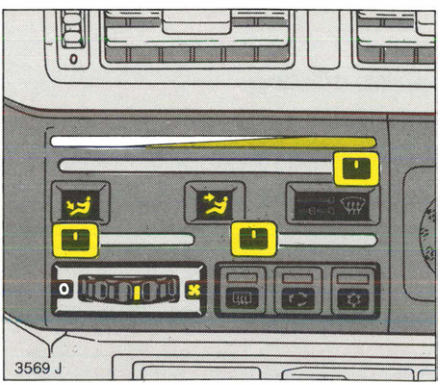


Heating

- air conditioning switch OFF
- re-circulation switch OFF
- move temperature lever to right
- fan as required, but not full speed
- left air distribution to foot
- right air distribution to face

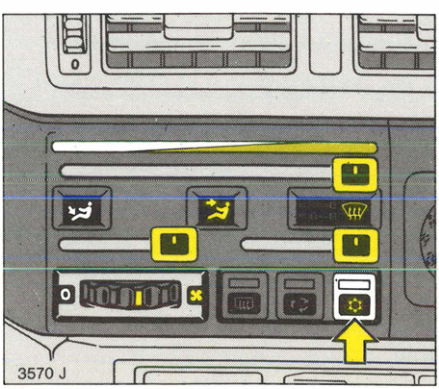
Note that heat will not be available until the engine warms up.

Therefore, keep vents closed until the engine has warmed up, then direct vents towards side windows (if required) to aid defrosting.

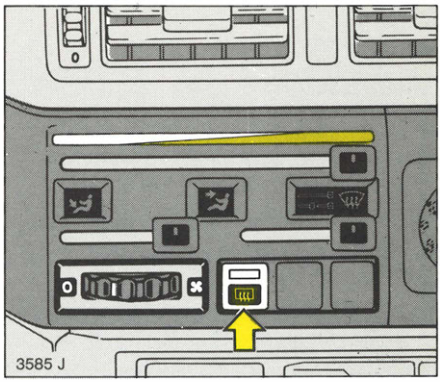


Window demisting and defrosting

- air conditioning switch ON
- temperature lever to right
- fan as required
- right air distribution lever to demist (re-circulation cannot be switched on)
- left air distribution to face
- close all vents



Rear demister and heated exterior mirror

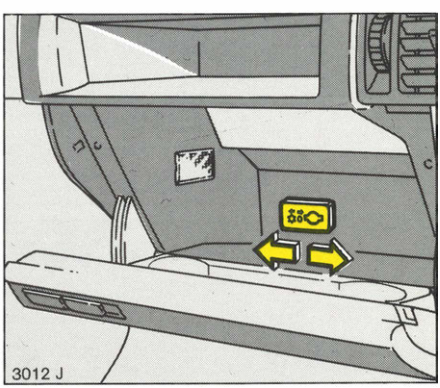


Heating operational only with engine running.

Push button next to fan switch.

The heating is automatically switched off after approx. 15 minutes.

Glovebox

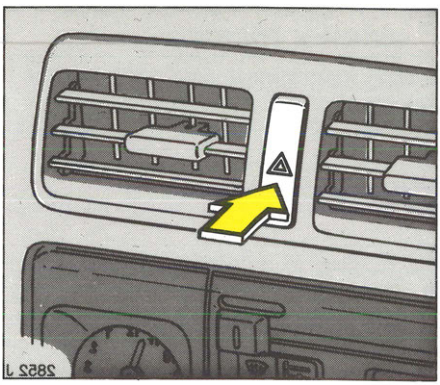


Turn the ignition key half a turn anti-clockwise to lock, half a turn clockwise to unlock.

When unlocked, pull the lever to open the glovebox. Push the lid shut to close the glovebox.

When the air conditioning is operating, cooled air enters the glove box, via a jet. If this is not required, the jet can be closed.

Hazard



Depress = on

Depress again = off

Use the hazard warning flasher to warn other drivers any time your car becomes a traffic hazard, day or night.

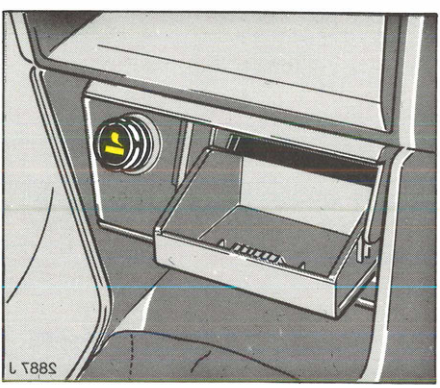
To aid location of the push button, the red surface is illuminated when the ignition is switched on.

When the hazard warning system is on, the button's ▲ symbol will flash, in unison with the four turn signals.

Radio

Refer radio instruction leaflet, inside the glovebox.

Front ashtray and cigarette lighter



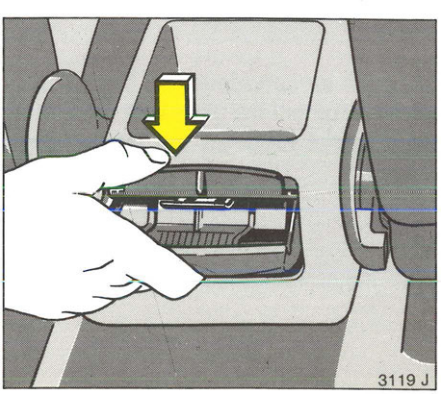
Press the cigarette symbol to reveal the ashtray and cigarette lighter.

To empty the ash tray, remove the tray by pulling towards you, empty and simply push back into place to re-insert. Note that the when re-inserting, the lower edge of the ashtray rests on the lower edge of the opening.

The cigarette lighter works when the ignition is switched on. Push the cigarette lighter inwards to heat.

To close the ashtray and cigarette lighter cover, swivel the cover downwards.

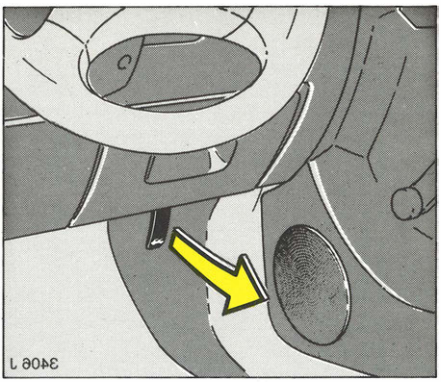
Rear ashtray



Tilt the cover to open.

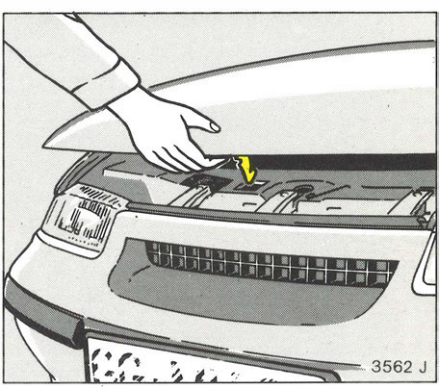
To empty, open the ash tray, press the top flap and tilt ashtray towards the rear.

From inside the car, pull the lever toward you. This allows the bonnet to release but is prevented from opening by the safety catch.



To open completely, lift bonnet slightly, reach in under the bonnet and move the safety catch upwards (while lifting the bonnet).

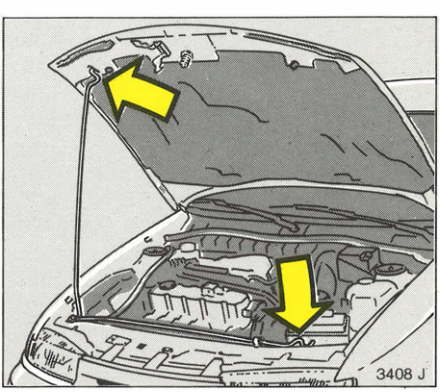
Note that if the park or headlights are switched on, the light in the engine bay will also be on.



Fully open the bonnet. Insert support rod into slot provided.

Before closing, press support rod firmly into holder and lower the bonnet gradually to be finally dropped by its own weight.

Always check that the bonnet is properly closed and that the release lever inside the car has returned to its original position.



Chapter 2

Know your car

Page

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2-3 Fuel filler release
2-3 Door locks
2-4 Anti-theft, including dead locking
2-6 Mirrors
2-7 Windows
2-8 Sun roof
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2-10 Seat movement (for rear passengers)
2-10 Seats - rear seat fold down
2-11 Child restraints
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Keys

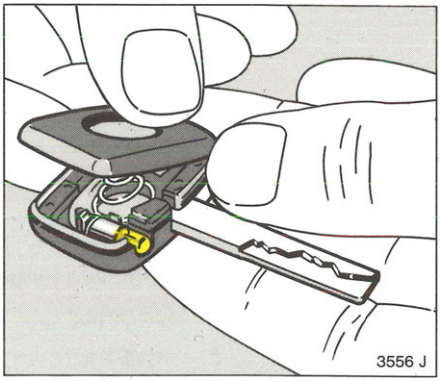
Before placing the key on your key ring, remove the plastic tab (or label in case of key with light) and hide in a safe place. Then, if your key is lost, a replacement can be ordered through a Holden Dealer by quoting the key code number and providing proof of ownership.

If the key number is printed on a label attached to the fuel tank cap, the label should also be removed. Also note the key code on alloy wheels if they are fitted with locks.

Key with light (if fitted)

To illuminate, press the symbol in the centre of the key head.

If the light becomes dim, open the key head using the notch between the two halves at the top of the key head, and replace the battery.



Tailgate

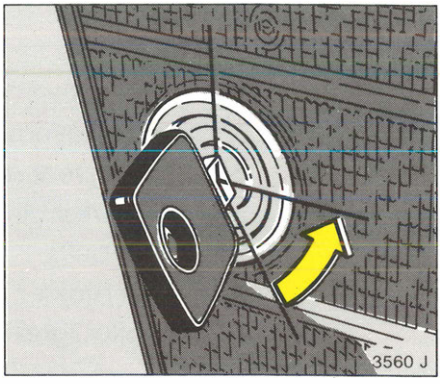
Provided that the tailgate key slot is horizontal, the tailgate will lock/unlock when the driver's door is locked/ unlocked.

To keep tailgate permanently locked (regardless of driver's door lock position) turn the key slot to the vertical position.

To unlock, turn the key fully clockwise, past the horizontal position.

To return the operation to locking/ unlocking in synchronisation with the driver's door, turn the key back to the horizontal position.

After unlocking, press the lock in, to open the tailgate.



Note that fitting accessories on the tailgate (e.g. louvres) will weigh down the tailgate. Consequently, it may not then stay open. Heavy duty springs may then have to be fitted.

Fuel filler release

The fuel filler flap is released whenever the doors are unlocked. Refer to information on the inside of the rear cover when refuelling.

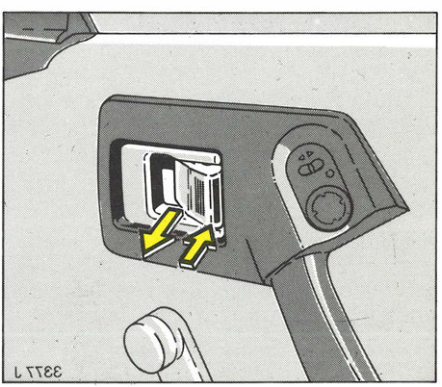
Central locking

Your Calibra is fitted with central locking. Both doors, the tailgate (if set) and the fuel filler flap will simultaneously lock/unlock.

Central locking is activated by locking the button on the inside of the driver's door, or by using the ignition key to lock either the driver's door or the passenger's door. Note that the button on the inside of the passenger's door can only 'unlock' central locking.

Door locks

The buttons on the inside of the doors are fitted with a red 'unlock' reminder. Doors are locked when the lock button is pressed so that the red section is no longer visible.



The passenger door may be locked behind you by locking the button when the door is open, then shutting the door firmly. It is not necessary to hold the handle up when shutting.

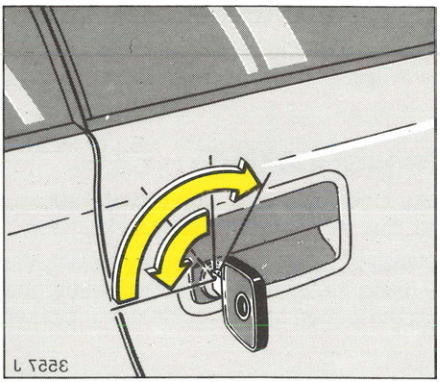
However, the driver's door handle *must* be held up when shutting or else the lock button will spring open when the door is shut. This is to prevent the driver from inadvertently being locked out.

Both doors can be locked or unlocked from outside the car, by turning the ignition key in the door lock. Holding the ignition key in the lock position for at least one second will close the windows.

Notes

- Locked doors are unlocked automatically in the event of an accident (to allow assistance from outside), *provided* that the ignition is not switched to B (off).
- Continual, repeated operation of the central locking system can overload the system. If this happens the power supply will be cut off for approx. 30 seconds.

Dead locking



Locking the driver's door with a key not only locks all the doors but allows setting the 'dead lock' protection.

To lock: with the driver's door closed, turn the ignition key anti-clockwise (in the door lock) to the horizontal position.

This locks all doors so that no door can be opened - even if entry is gained by breaking glass. Doors can only be unlocked from outside the car with the ignition key.

Do not use the dead lock if there are people in the car. The doors cannot be unlocked from inside.

To unlock: turn key back beyond vertical position as far as it will go.

Note that doors can still be locked by turning the key 40° anti-clockwise. However, this will not set the deadlock, it will only lock the doors. The key must be turned 90° anti-clockwise (to the horizontal position) to set the deadlock.

Anti-theft

Setting the dead-lock also sets the anti-theft system. The anti-theft system is turned off when the doors are *un* dead locked.

The anti-theft system monitors:

- movement of the doors, tailgate, engine hood
- movement within the passenger compartment
- radio connection
- ignition and starter operation

The anti-theft system monitors the above circuits, triggering the alarm if movement is detected.

In addition, the anti-theft system prevents the engine from being started.

After being switched on, the system performs a test within 10 seconds. The LED light above the passenger door will glow while self testing.

The LED lights for one second when the anti-theft system is switched off.

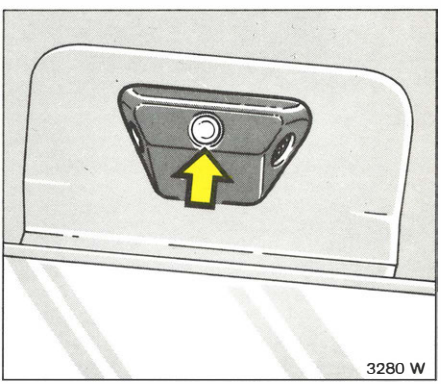
The LED flashes regularly when the door or tailgate is open *or* a system fault is detected (see your Holden Dealer).

Switching on

- Ensure all of the following are closed: windows, sun roof, doors, tailgate, bonnet.
- Switch on the anti-theft system by turning the driver's door lock to the dead lock position.
- Note that the LED glows for 10 seconds. After the 10 second test the LED will then start to flash *ir*regularly (to indicate that the system is on).

Switching on (if animals to be left in car)

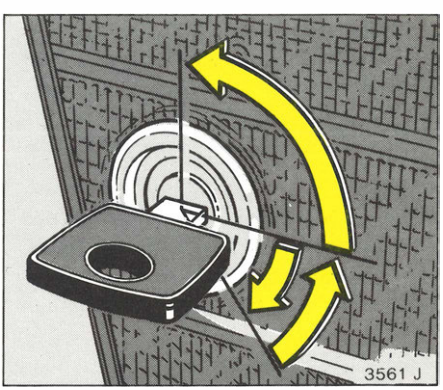
Normally, movement inside the passenger compartment will trigger the alarm. Use the following instructions if animals are to be left (hopefully for only a very short time) inside the car.



- Ensure that the tailgate and bonnet are closed.
- Press the button above the driver's window.
- Note that the LED glows for 10 seconds and then goes out. The system is then active, *except* for the monitoring of movement in the passenger compartment.

Tailgate

The tailgate may still be opened and shut again while the anti-theft system is activated:



- Unlock the tailgate by turning the ignition key clockwise as far as it will go. Passenger compartment monitoring and luggage compartment monitoring will be switched off.
- Open the tailgate
- Close the tailgate
- Lock by turning the key back to horizontal or vertical position.
- 10 seconds after removing the key, passenger compartment monitoring and luggage compartment monitoring will again be switched on.

Alarm

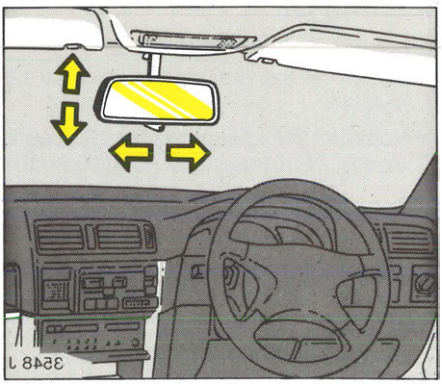
If the alarm is triggered, the horn alarm sounds for 30 seconds and/or all exterior turning signal light will flash.

The alarm can be stopped by switching off the anti-theft system.

Internal rear view mirror

Grasp mirror and swivel to adjust height.

Using the lever on the lower edge, tilt the mirror to reduce dazzle at night.

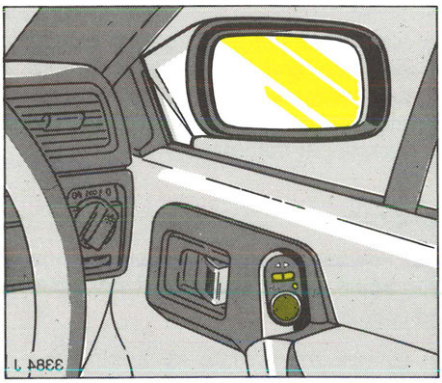


Exterior mirrors

Switch the top, 'rocker' switch to either left mirror or right mirror as required.

When the ignition is switched on, the larger, four way knob can then be used to adjust the angle of the mirror.

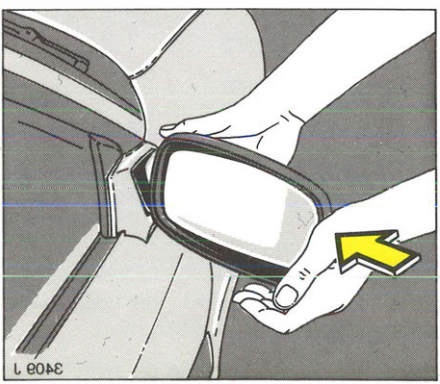
The exterior mirror heating is switched on for approx. 15 minutes by pressing the push button for the rear window demister, refer 'heater controls', page 1-14. The light on the driver's door arm rest is illuminated when mirrors are heating.

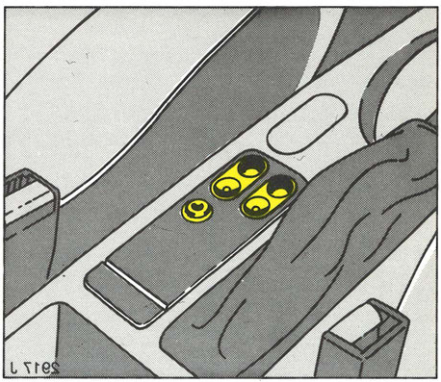


Note that your passenger's side exterior mirror may be convex shaped, therefore making objects appear further away than what they actually are.

For the safety of passengers and pedestrians, exterior mirrors will be released from their support under accident-like impact.

To re-align mirrors into their supports, hold the mirror parallel to the mirror support and lock with a blow on the outer edge of the mirror.





The two switches on the centre console control the height of the windows.

Press the raised section to raise the window. Press the dished section to lower the window.

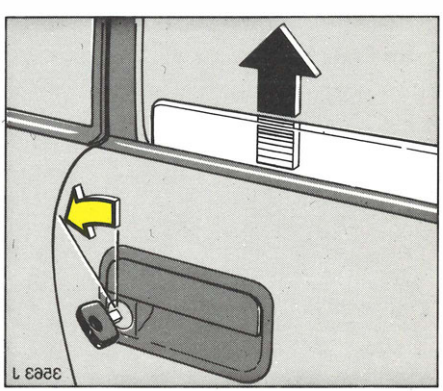
Tap the switches to open or close the window in short steps.

Press the dished section for more than half a second to fully open a window.

Press the raised section for the driver's window for more than half a second to fully close the window. However, the passenger's raised section must be depressed the entire time the window is closing.

If the driver's window encounters resistance above the half way mark during automatic closing, it is immediately stopped and the window opened slightly. To switch off this protective system (e.g. if the window does not move easily because of frost), keep the push button behind the driver's window button depressed while closing the window.

Closing windows from outside



Hold key in the door locking position for at least one second.

If the battery has been disconnected, it may not be possible to close the windows from outside, until:

close doors, switch on ignition, use console button to fully close each window and keep the button pressed for a further 5 or 6 seconds.

Note, if disconnecting the battery, first ensure that the windows are fully closed.

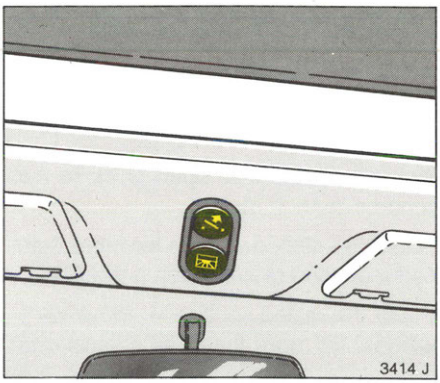
The switch between the sun visors controls the sun roof.

press at rear = raises roof
press at rear again = opens roof
press at front = closes roof

Release switch as soon as the roof has fully closed or fully opened.

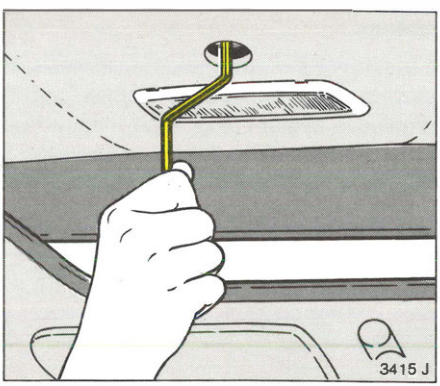
If the roof top is wet, raise the roof and allow water to run off before opening.

To avoid injury to children, remember not to leave keys in the ignition if leaving the car (even momentarily) with children in the car.



If the sun roof needs to be operated manually (because of fuse failure etc.) you will find a crank handle located in the glovebox or boot.

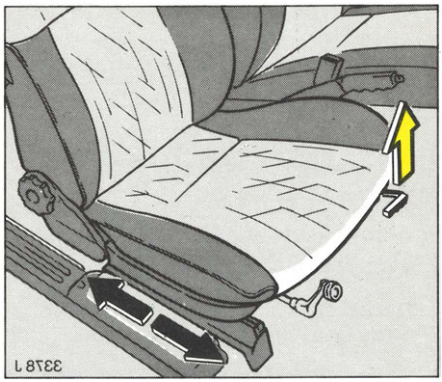
Open the drive cover with the ignition key. Insert the crank handle and turn.



Forward/rearward

Lift the lever at the front of the seat upwards then slide the seat forward or backward. After releasing the lever, try to move the seat back and forth to check that the catch has locked in position.

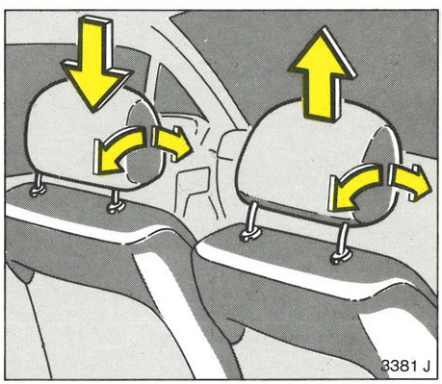
Never adjust the driver's seat whilst driving. The seat could move suddenly and cause the driver to lose control.



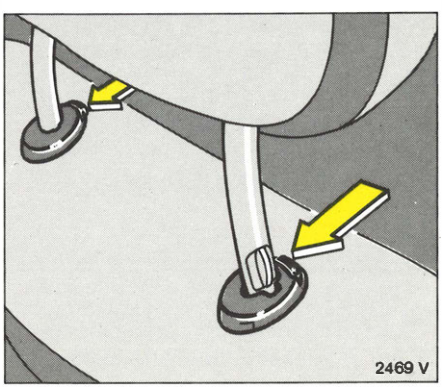
Head restraint

To adjust height, pull up or press down.

Tilt head restraint to adjust angle.



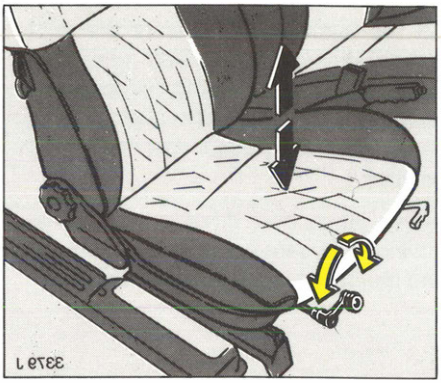
To remove head restraint, release springs while pulling up.



Height adjustment

(if fitted)

Turn the crank handle to adjust the height.

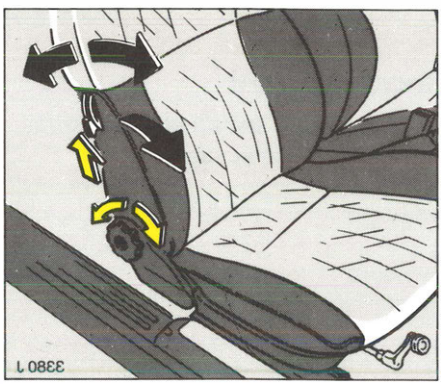


Tilt and rear seat passenger exit

Turn the hand wheel to adjust the reclining angle of the seat back.

To enable rear seat passengers to enter or leave, and pull release lever up.

Again, pull the release lever up when returning the back of the seat to the upright position.



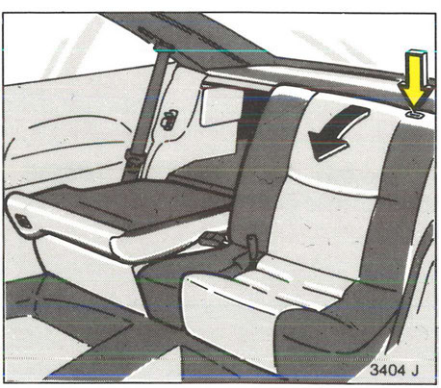
CAUTION: To avoid reducing the effectiveness of seat belts it is recommended that the reclining seats be used in no more than a semi-reclined position when the car is moving. The fully reclined position should be used only when the car is stationary.

Rear seat fold down

For carrying long awkward loads, either one or both seats may be folded down.

Hold seat belts to one side. Depress lock button on the top of the seat and fold the back of the seat down onto the seat cushion.

To return to upright position, simply push back into place and check to ensure the lock button is secure.



Parcel shelf

To gain more space, remove the parcel shelf cover from behind the rear seats.

CAUTION: When converting the rear seat always avoid standing on the driver's side of the car if the car is parked at the kerb. Failure do to so could result in personal injury from passing cars.

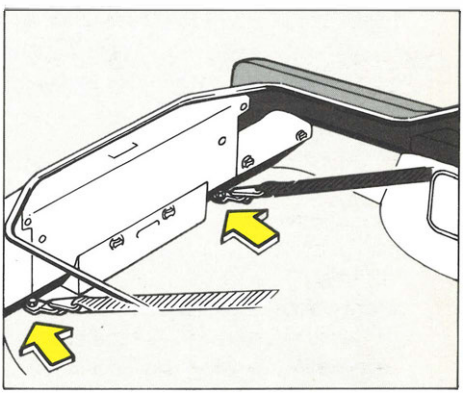
Infant and child restraints

CHILDREN SHOULD BE RESTRAINED AT ALL TIMES WHEN RIDING IN A MOTOR VEHICLE. In some States it is Law that children must be belted in, whenever they are travelling in a vehicle in which seat belts are installed. CHILDREN ABLE TO SIT UP should be restrained with regular seat belts or an approved child restraint.

Where children are restrained with the regular seat belt and it is desired to raise their seating position this is to be done only by means of a support which is retained by the belt. NEVER USE A LOOSE CUSHION AS THIS COULD ALLOW SERIOUS INJURY IN THE CASE OF A CAR ACCIDENT.

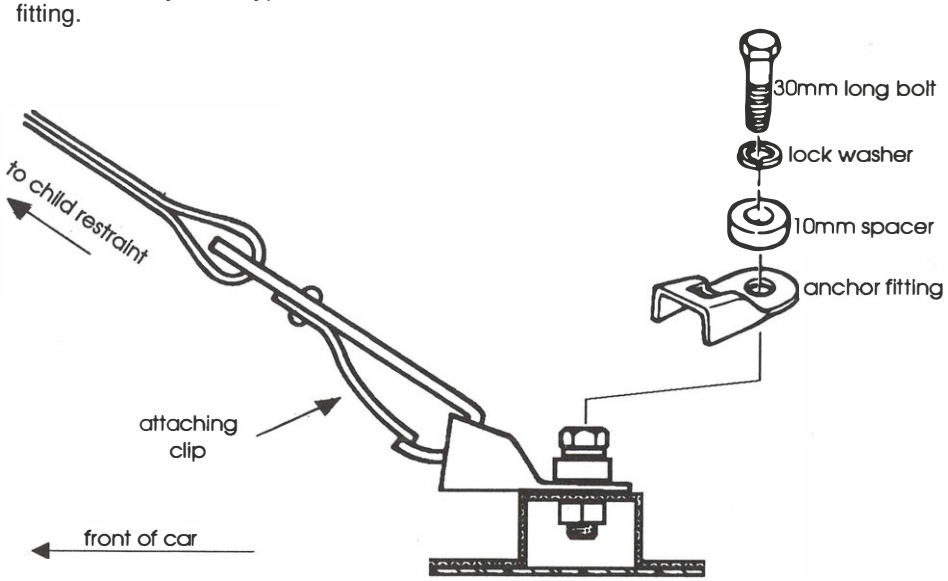
Child restraint anchorages

Your car is fitted with anchorage points for child restraints, located behind the rear seats, as shown at left.



CAUTION: The installation illustrations below are only applicable for installing child restraints approved to Australian Standard AS 1754-1991 (and subsequent amendments).

The installation illustrations below are *not* applicable to older child restraints, *not* complying with Australian Standard AS 1754-1991, as the older child restraints may not attach securely to this type of anchor fitting.



WARNING: Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts or harnesses.

Only approved child restraint harnesses should be used on anchorage points. See your Holden Dealer for advice about the various types of approved child restraints available.

INFANTS UNABLE TO SIT BY THEMSELVES should be carried in an approved child seat restraint (capsule). Check with your local Infant Welfare Centre for availability.

The Holden child seat is designed for children weighing 9 to 19 kg, up to 1 metre in height, who are unable to sit up alone.

WARNING:

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oil and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

It is essential to replace the entire assembly after it has been worn in a severe impact, even if damage to the assembly is not obvious.

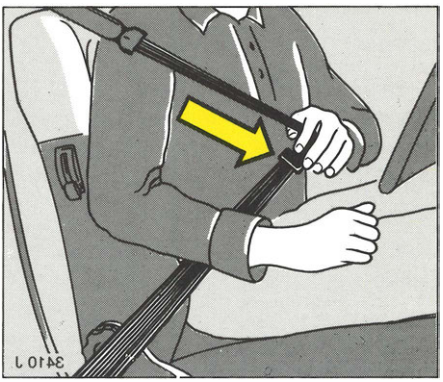
Belts should not be worn with straps twisted.

Each seat belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

No modification or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

The positioning of the tongue restrictor must never interfere with, or stop, the belt from fully retracting.

Retractor belts



To put on a retractor seat belt, pull the metal tongue across your body and clip it into the buckle. When the metal tongue has locked safely into place you will hear a "click". After fastening, settle the belt at the hip, go across to the buckle, then up under the sash. Any extra belt length will retract automatically.

The lap section should be worn as low as possible on your hips, not on your waist. Make sure the sash and lap sections of the seat belt are free from twists and are fitting firmly.

The emergency-locking retractor belt allows you to move freely while the car is travelling normally. The belt will lock immediately on fast braking, impact with a solid object or any quick movement by the wearer.

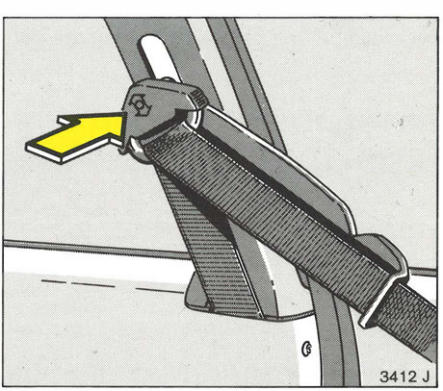
To undo the belt, press the release button on the buckle and allow the belt to retract. Check that it fully retracts without twisting or turning.

Mechanical seat belt tensioners (93 model Calibra)

The front seat belt system incorporates (once-only) mechanical belt tensioners. In the event of a head-on collision the belt buckles are pulled downwards; the diagonal and lap belts are instantaneously tightened.

If the mechanical belt tensioners have been actuated the yellow indicator on the belt buckles become visible. Even though the seat belt (apart from this feature) may remain operational, the entire system *must* be replaced by a Holden Dealer.

Seat belt height adjustment (front seats)



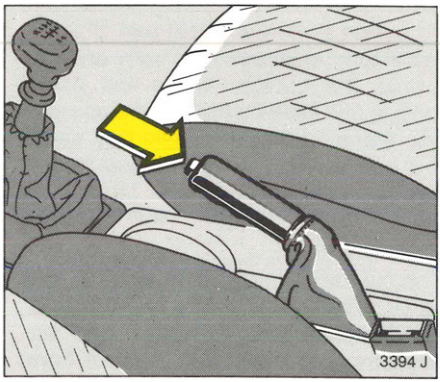
- Do not adjust while driving.
- Pull seat belt forward.
- Press belt guide (indicated by arrow in illustration).
- Move seat belt guide up or down, as required.
- Release belt guide at required position and ensure belt guide has clicked into position.
- Short people should select a low belt guide position, tall people a higher one. This will ensure, for both safety and comfort, that the webbing of the seat belt fits *on* the shoulder.

Park brake

To apply, pull the lever straight up.

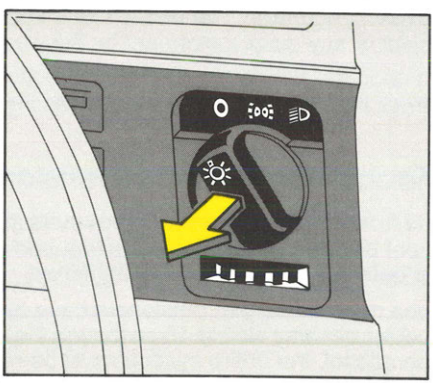
To release, pull the lever slightly upwards, push in the release button on the end of the lever and whilst depressed, lower the lever all the way down.

Never drive the car with the park brake applied.



Dome light

The dome light comes on when either the light switch is pulled out *or* a door is opened.



Luggage compartment light

The luggage compartment light comes on when the tailgate is opened.

Glovebox light

The glovebox light comes on when the glovebox lid is opened and the ignition is on.

Engine compartment illumination

The engine compartment is illuminated when the park or headlights are switched on.

Chapter 3

Starting and Driving

Page

3-2 Safety

3-3 Engine Starting

3-3 Running-in

3-4 Automatic Transmission

3-6 Manual Transmission

3-7 Reducing Fuel Consumption

3-8 Driving Precautions

3-9 (ABS) Anti-lock Brake System

3-9 Snow Chains

EXHAUST WARNING - (Carbon monoxide poisoning)

Exhaust gases contain carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

You could inhale the gases if the exhaust system on your car is faulty.

To protect against exhaust gas entry into the interior of the car we recommend that the exhaust system and body be thoroughly inspected:

- each time the car is serviced
- whenever a change is noticed in the sound of the exhaust system
- whenever the exhaust system, underbody or rear of the car is damaged.

Take the car to your Holden Dealer if you think your car needs inspecting for any of the above reasons.

DO NOT SIT (OR LEAVE THE CHILDREN OR PETS) IN A PARKED CAR FOR ANY EXTENDED PERIOD OF TIME WITH THE ENGINE RUNNING.

DO NOT RUN THE ENGINE IN AN ENCLOSED AREA SUCH AS THE GARAGE, ANY LONGER THAN IS NEEDED TO MOVE THE CAR.

Driving with the tailgate open is not recommended. If you must travel with the tailgate open, close all windows, turn the outlet dial of the heater controls to face and the fan to the highest speed. Do not exceed 50 km/h unless necessary.

Before entering the car

1. Check that windows, mirrors and lights are clean.
2. Check tyre inflation.
3. If you intend to reverse, check that the area behind your car is clear.

Before driving off

1. Be sure that all doors are secured.
2. Position your seat for comfortable driving.
3. Adjust rear vision mirrors.
4. FASTEN SEAT BELTS.
5. Check that all the warning indicators light up when you turn the key to start the engine.

Parking

1. Apply the park brake.
2. Place manual transmissions in REVERSE or FIRST gear and automatic transmissions in PARK.
3. Shut all windows.
4. Switch off exterior lights, otherwise the headlight warning device will sound when the driver's door is opened.
5. Turn ignition key to LOCK and remove the key.
6. Lock all doors when outside the car.

CAUTION: Be careful where you park or drive. As with any car, do not park or operate this car in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

1. Apply the park brake firmly and release only after you have started the engine and are ready to drive off.

2. MANUAL: Depress the clutch pedal and shift the gear lever to Neutral position. The clutch pedal can now be released.

   AUTOMATIC (if fitted): Move the shift lever to P (park) or N (neutral) position. The engine will not start if it is in any other position.

3. Start the engine as outlined below (with your foot off the accelerator).

For cold or hot starting the procedure is the same. Simply turn the key to the start position and release when the engine starts. YOU DO NOT HAVE TO DEPRESS THE ACCELERATOR PEDAL PRIOR TO, OR DURING, STARTING. DEPRESSING THE ACCELERATOR PEDAL WILL ONLY INCREASE CRANKING TIME AND WILL NOT HELP THE ENGINE TO START.

Warm ups and excessive idling

Avoid long engine warm ups. They are unnecessary and waste fuel. An engine takes approximately five minutes to reach its efficient operating temperature and it does this most effectively by driving on the road.

However, speed should be moderate until normal operating temperature has been reached.

You should also avoid excessive engine idling. If your have to wait for more than a minute, turn off the engine to conserve fuel.

Running-in (for the first 1,000 km)

Drive your car at various speeds. **Do not use full throttle**. Never allow the engine to labour.

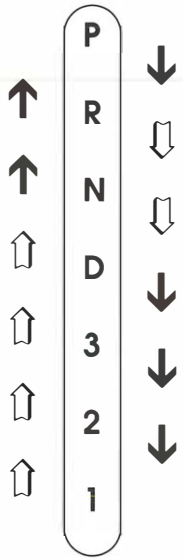
Make good use of all gears. Depress the accelerator pedal a maximum of around three quarters of the available pedal travel in all gears and drive ranges.

Engine revs (as shown on the tachometer) should kept under 4,000 rpm.

Unless necessary, try not too brake too hard during the first 200 km, or indeed for the first 200 km after new brake pads have been fitted.

Switching off the engine

If the engine temperature is very high, e.g. after driving in hilly areas, then allow the engine to idle for approximately two minutes in order to prevent heat accumulation.



The transmission lever is mounted on the console, between the front seats.

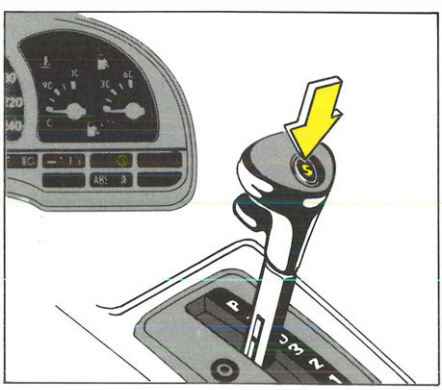
Raise the release bar below the T-bar handle when shifting into any position indicated by the black arrow.

You may shift *without* raising the handle onto any position positions marked by the outline arrow.

Sporty/economy drive programmes

Tap the button on top of the T-bar to switch between sporty and economy drive programmes. When the sporty programme (higher engine speeds) is selected the indicator light will be illuminated on the instrument panel.

Note that after the engine has initially been started and Drive selected, the economy programme is automatically selected.

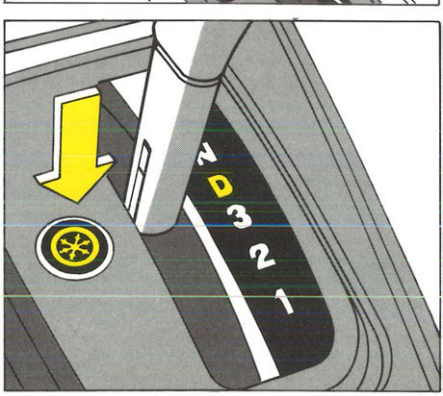


Starting- off aid

In the event of starting-off difficulties on slippery roads, ensure the T-bar is in Drive and press the button indicated.The car will start off in third gear.

The starting off aid is switched off:

- automatically above 80 km/h.
- by pressing the button indicated
- by moving the T-bar away from the Drive position to 3, 2, 1, or R.
- by turning the ignition off.
- holding the accelerator pedal down to the floor for longer than two seconds.



P (park)	This stops the front wheels from turning and so should be selected (together with the park brake) when leaving the car. Never select *P* until your car is fully stopped.
R (reverse)	Never select *R* until your car is fully stopped. Reversing lights will operate when *R* is selected and the ignition is on. After reversing, make sure the car has fully stopped before proceeding forward again.
N (neutral)	This is the out-of-gear position. You may then restart a stalled engine while the car is still moving.
D (fourth)	This is the most effective position for normal or freeway driving. The drive position gives maximum fuel efficiency, as the transmission can choose the appropriate gear (1 through to 4) for the load and driving conditions.
3 (third)	Third is most effective when overtaking and gives responsive acceleration and deceleration, especially in hilly areas. This position allows the transmission to shift to first, second or third gear as conditions require. Drive (4th gear) is excluded.
2 (second)	Use this position when going down a moderate gradient where you want to slow down a little without using the brake. The transmission will shift to first or second gear as required. Move the lever back into the Drive position to return to normal driving.
1 (first)	Use this position when strong braking effect is needed on a steep gradient. Remember to move the lever back to Drive position so that the transmission will again upshift into higher gears. If 1st gear is selected at too high a speed then the transmission will not move into 1st gear, until you have slowed down sufficiently.

Notes

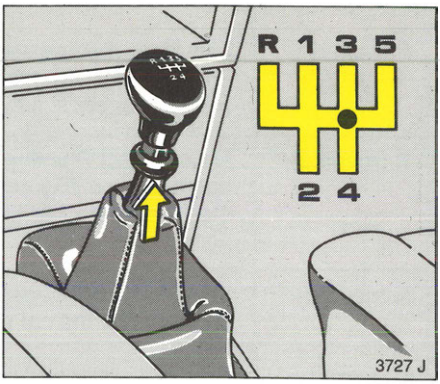
- Don't rev the engine with the brakes on in either 1, 2, 3, drive or R. This will overheat the transmission.
- Don't rev the engine to hold the car on a slope. Use the brakes.
- Don't coast the car in N - this lessens your control and the engine braking power.
- Refer page 6-5 when checking automatic transmission fluid level.
- NOTE: The engine will *not* start unless the selector is in P (park) or N (neutral).
- If the car suddenly will not accelerate as usual, or will not shift down to a lower gear when you press the accelerator pedal to the floor, or the Sporty drive program indicator light flashes, then a fault is indicated in the transmission. Consult a Holden Dealer as soon as possible.

This system has 5 synchronised forward gears and a non synchronised reverse gear. The shift pattern illustrated, is also found on the top of the gear shift lever.

When selecting fifth gear you must shift the gear lever sideways against light spring pressure in order to pass into the gear.

To select reverse gear, lift the ring beneath the knob on gear shift lever and move the lever into the reverse position.

If the gear does not engage easily, then release and depress clutch pedal before trying again.



Operating notes

- When shifting from one gear to another, be sure to depress the clutch pedal fully to avoid clashing and possible chipping of the transmission gears.
- Never attempt to engage reverse gear until the car has completely stopped. A slight pause between depressing the clutch pedal and moving into reverse gear is desirable to allow all the rotating components to stop and avoid gear clashing. Whenever reverse gear is selected with the ignition ON, the back-up lights will operate.
- Shift the gear lever with a moderate effort to allow time for the transmission synchronizers to work properly.
- Do not drive with your foot resting on the clutch pedal. This will cause substantial clutch wear.
- When stopped on an incline do not hold the car by slipping the clutch. Use the park brake or brake pedal.
- To maintain safe speeds on a steep downgrade and to reduce brake wear and overheating, shift into a lower gear before starting the decent.
- Do not over-speed the engine when shifting down to the next lowest gear.
- Fifth gear is overdrive.

1. **Car Maintenance**

Maintain your car in peak mechanical condition by having it serviced regularly in accordance with the Holden's Maintenance Schedule, refer page 10-2. This will ensure items such as spark plugs, air cleaner, engine idle speed etc. are maintained for least fuel consumption and peak engine performance.

2. **Tyre pressure**

Keep the tyres at the recommended pressures. Under-inflated tyres creates extra rolling resistance which contributes to increased fuel consumption, refer page 6-10.

3. **Wheel alignment**

Maintain correct front wheel alignment. Incorrect alignment makes the front wheels drag and increases fuel consumption.

4. **Accelerating, driving & braking**

Accelerate gently - avoid rapid starts, sudden bursts of speed and full throttle accelerations - they're certain fuel wasters.

Drive the car at steady speeds where possible (after run-in). It is desirable to achieve top gear operation as soon as possible, but under no circumstances should you force the engine to labour in top gear.

5. **Change down!**

When decreasing speed, shift down into the next lowest gear. Do not slip the clutch with a high revving engine. This is especially important when hill climbing.

6. **Roof racks and ski-holders**

Roof racks and ski-holders can increase fuel consumption by approx.1 litre per 100 km, due to the increased air resistance. Remove them when they are not needed.

7. **Brake pedal**

"Riding the brake" by resting your foot on the brake pedal when you do not intend to brake can cause overheated brakes. This can wear out the brake pads faster, damage the brakes and waste fuel.

8. **Loading**

Unnecessary weight increases fuel consumption, especially when accelerating. In city traffic, a load of 100 kg can increase fuel consumption by 0.5 litres per 100 km.

Brakes

- Power assisted brakes, which are fitted to your car, utilise vacuum from the engine when it is running. Never let the car run down steep grades without the engine running. Never coast with the engine switched off.
- Driving through water may affect performance. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with an assured clear distance ahead until brake performance returns to normal.
- Brake pedal travel should not be obstructed by ill-fitting floor mats or any other material under the pedal which causes interference with normal pedal movement.
- Your seat should be positioned so that you can reach the brake pedal satisfactorily under all braking conditions.
- Park Brake: To clean the workings of the park brake it is recommended that, from time to time, you drive slowly for approx. 300 metres with the park brake applied.

Power steering

- Power assisted steering, which is fitted to your car, has been designed to reduce steering effort. It uses hydraulic pressure to lighten steering loads and is designed so that "road feel" is retained. Care should be taken not to hold a turning force on the steering wheel when stationary (i.e. when waiting before turning a corner, etc.) as this creates unnecessary high operating pressures within the system.
- If the power steering is rendered ineffective because the engine has stalled, the drive belt broken or if the pump reservoir is empty of fluid, the car can still be steered. However, due to the much greater effort required to steer, it is recommended that you have the problem fixed promptly.

Loose articles

Do not leave loose articles or luggage in the passenger compartment. Whenever possible, loads stowed in the luggage compartment should be firmly secured.

Tyre traction

A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other materials are on the road surface. Driving practices and car speed should be adjusted to the road conditions.

ABS

ABS (Anti-lock Brake System) continuously monitors the car's brake system and prevents the wheels from locking, irrespective of the road conditions and tyre grip. It starts to regulate the braking effect as soon as a wheels shows a tendency to lock. The car remains steerable, even in the event of panic braking, for instance on bends or when swerving to avoid an obstacle. However, DO NOT let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by safe driving.

The ABS warning lights is illuminated when the engine is switched to II (ON) and goes out after the engine is started. If it does not go out, or if it comes on during driving, there is a defect in the ABS. The car's brake system remains operational but without ABS assistance. You should consult your Holden Dealer as soon as possible.

The braking effect is regulated by the ABS every millisecond during braking.

When your car is in a critical braking condition ABS will make itself noticeable through pulsing of the brake pedal and the noise of the regulation process, thereby reminding you to match your speed to the road conditions, even though it is keeping control of the braking.

Shortly after driving off again the system performs a self check, which may be audible.

Snow chains

Due to lack of clearance, it is not possible to fit snow chains to Calibra with the standard tyre size of 205/55.

If snow chains are required (front wheels only), it is recommended 195/60 tyres be fitted to the front wheels.

Chapter 4

Accidents and emergencies

Page	
4-2	What to do at the scene of the accident
4-3	Medical assistance
4-4	Towing a disabled car
4-5	Flat tyre
4-8	Engine overheating
4-10	Flat battery
4-12	First aid kit
4-12	Safety triangle

All motorists are advised to learn what to do at the scene of an accident, particularly where persons are injured. Injured people can choke to death if their air passages are not cleared. They can bleed to death unless the bleeding is stopped. They may require mouth-to mouth resuscitation or may have to be moved, even though badly injured. It is important that you understand how to avoid further damaging an injured neck or back or other broken limbs.

The following notes may help.

Part 1. Accident - being involved.

If you are involved in an accident you are advised to do as follows:

Stop immediately and remember to turn off the engine and apply the park brake.

Remember that time is vital. Remain calm and alert. Think quickly and clearly.

Give all possible assistance to all injured persons (see Part 3. Medical assistance).

Send for police and ambulance if anyone has been injured. Send information as accurately as possible. Give the exact location, the number of injured people and a brief report on the overall situation.

Perhaps take charge of the situation.

Warn all other traffic approaching the scene. Turn off ignition switches. Stop any smoking near spilt petrol. In darkness, try and light up the area to warn others.

Clear the road of accident debris.

Exchange your name, address, vehicle registration number and the vehicle owner's name and address with the other parties involved in the accident.

If damage to property only has occurred, report the facts to the owner of the damaged property or to his or her representative, to any police present at the scene or to the nearest Police Station.

Try to note all important facts because such details may be important if needed later.

Part 2. Accident - being a witness

If you witness a road accident or it becomes your task to stop and help at the scene of an accident, do this:

Keep in mind that an observant witness can prove most helpful. Some day you yourself might be very glad of help from a witness.

DO NOT stop at the scene of an accident just to be a spectator.

Where other people are already in attendance and giving assistance, you should stop only if you can contribute assistance.

Give what assistance you can to any injured persons. (See Part 3. Medical assistance).

Follow most of the steps suggested in Part 1. Perhaps you may have to take charge of the accident situation.

Part 3. Medical assistance

Keep calm and think clearly.

Your experience may not be much but do your best. Don't just stand by and let an injured person die.

- Look after the unconscious person first. Check for breathing. If no breathing, then check if air passages are clear, i.e. nose and mouth. Use your fingers to clear air passages if necessary. If the air way is clear then mouth-to-mouth resuscitation may be needed at once.

Unconscious people can choke.
Carefully turn to one side.
Tilt the head back slightly.
Wipe out the mouth with your finger to remove blood, vomit, broken teeth or dentures.

- You must be most careful in moving an injured person. Often it is best not to move at all but in conditions of danger, this is not always possible. Serious and permanent damage can be done to an injured neck or back if not supported during movement. NEVER BEND A NECK OR BACK. KEEP THEM STRAIGHT. All injured limbs require support when an injured person has to be moved.
- Provided it is not dangerous to do so because of other injures, an unconscious person will do best in the position illustrated here.

Lay the person on one side and - if it will not aggravate any injuries - then:
Bend the uppermost knee until the thigh is at right angle to the body.
Bend the uppermost arm and elbow so that the hand lies near the face.
Gently pull the underneath arm so that it rests straight on the ground free of any body weight.

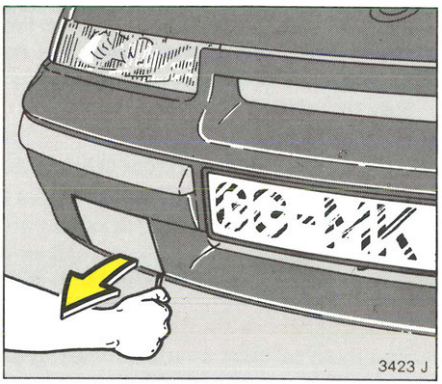
- Try to stop bleeding by applying direct pressure, using your hand, or by pressing torn flesh together. Use any clean cloth available. Fold cloths to make pads. If necessary press one pad on top of another. Keep pressure around edges of a wound BUT NEVER USE A TOURNIQUET.
- Shock may be treated by reassurance, relieving pain, controlling any bleeding and keeping the injured person warm but not hot. Best not to give any fluids and NEVER ALCOHOL.
- If the injured person is in danger and has to be moved, try and have three or four people help and concentrate on not bending the neck, spine and injured limbs. Keeping the neck and spine straight is most important.

Illustrations reproduced from "The Victorian Road Code" with permission from Road Safety and Traffic Authority of Victoria.

Towing a disabled Calibra

Proper lifting or towing equipment is necessary when lifting or towing the car to prevent damage during any towing operation. State and Local laws must be followed. In an emergency, your car may be towed on all four wheels in the following manner:

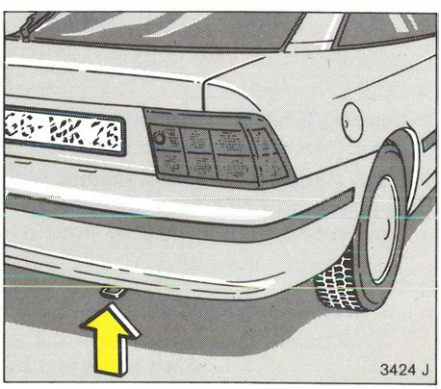
- Gently prise away the flap at the front of the car.
  Note that when refitting this flap you must attach the flap at the top, before pushing firmly into place.
- Attach a tow rope to the eye, revealed behind the flap. *Do not attach to the bumpers or brackets.*
- Place transmission in neutral/N position and release the park brake.
- Switch the ignition to position II (on) position. This will free the steering lock and allow the correct operation of windshield wipers, horn and turn signals.



- For the sake of safety and to prevent damage to the car it is advisable to avoid jerky movements and to drive slowly during towing operations.
- Remember that *power assist* for brakes and power steering will not be available when the engine is off. Therefore, more effort will be required to brake and steer.
- To prevent the entry of exhaust fumes from the towing car into the passenger compartment of your car, close the windows and stop entry of air by moving heating and ventilation controls to "re-circulate" position.
- Cars fitted with automatic transmissions should only be towed facing forwards and must not be towed for more than 100 km or at over 80 km/h, unless the front axle is raised off the ground.
- Only the driver should be in a towed car.

Towing another car

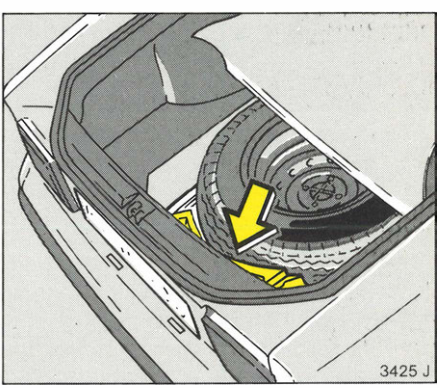
Attach a tow rope to the rear towing eye, never to the rear axle.



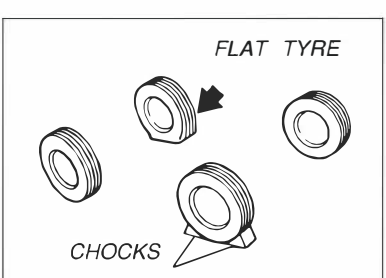
If using a jack other than the one supplied with the car, refer page 6-13 for lifting positions.

CAUTION:
- Use the jack only for lifting the car when changing wheels.
- Never get beneath the car when it is only supported by the jack.
- Do not start or run the engine while the car is only supported by the jack.
- All passengers should be out of the car when it is being jacked.
- Use the jack only at the designated lifting points. Use in other locations could damage the car.
- The car should only be jacked on hard, level surfaces.

1. Park on level surface and set parking brake firmly.
2. Remove the ignition key and place manual transmissions in REVERSE gear or automatic transmissions in PARK.
3. Remove the jack, the tools and the spare wheel stored, all of which are stored in the luggage compartment. The spare wheel is secured by a plastic wing nut under a floor cover. The jack and tools are located behind the spare wheel in a special compartment.

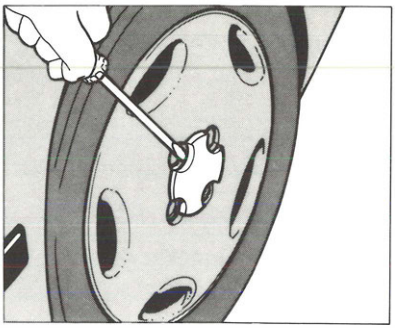


4. Chock the wheel diagonally opposite the flat tyre by placing wedge blocks, any available blocks of wood or rocks behind and in front of it.

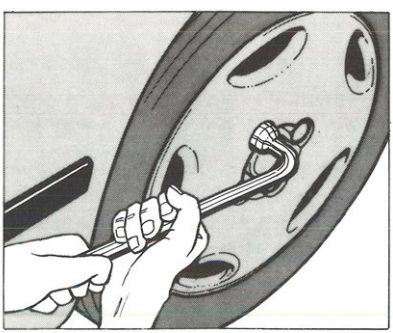


5. Remove hub cap with screwdriver or similar.

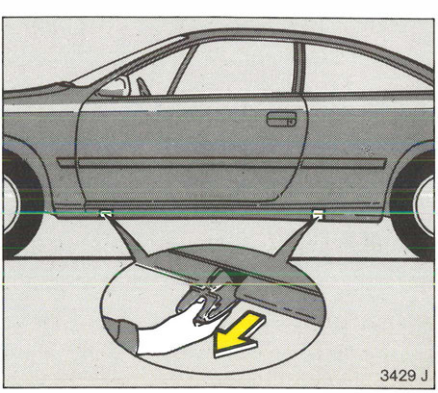
   Prise off wheel bolt caps (if fitted) with a screwdriver.



6. Loosen (but do not remove) the wheel bolts with wheel bolt wrench.

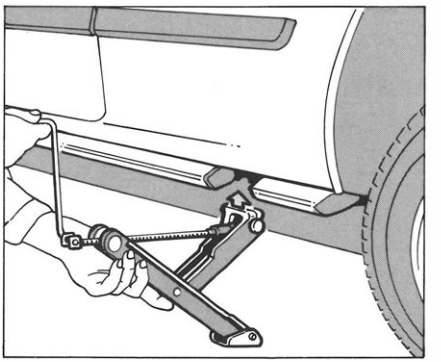


7. There are concealed recesses at the front and rear of the car for inserting the jack. Remove the flap by pulling outwards.



8. Position the jack in the recess that is nearest the flat tyre.

   Ensure that the jack claw surrounds the semi-circle cutout in the recess on the car.



CAUTION: Failure to position the jack as describe above could result in serious personal injury or car damage caused by the car slipping off the jack.

9. Raise the car by turning the crank handle, until the tyre is clear of the ground.

10. Remove the wheel bolts and place together in a dry spot to avoid getting dirt in the threads.

11. Remove the wheel from the car and change it over with the spare.

12. Replace the wheel bolts and tighten by hand. Then, with the wheel wrench, lightly tighten in a criss-cross sequence.

13. Lower the car completely and remove the jack.

14. Fully tighten the wheel bolts with the wheel wrench in a criss-cross sequence.

15. Press on wheel bolt caps (if fitted) and hub cap.
    Note that on light alloy wheels you should insert the pin on the back of the hub cap into the corresponding hole in the wheel.

16. Stow away wheel, tools, and jack in the luggage compartment.

CAUTION: As soon as possible after changing a wheel, you should have the wheel bolts tightened with a torque wrench to 90 Nm / 66 ft lb.

Wheel bolts should be tightened evenly to the correct torque in the sequence shown, as improperly tightened wheel bolts could eventually allow the wheel to come off while the car is moving!

CAUTION: If the engine should overheat, as indicated by the temperature gauge reading or if you suspect there is a serious overheat condition immediate action is required. Continued operation of the engine EVEN FOR A SHORT TIME could result in a fire and the possibility of personal injury and/or severe car damage.

If the coolant temperature gauge needle should move to the red section and remain there for more than 30 seconds, pull out of the traffic as soon as it is safe to do so and stop the car. Leave the engine idling for a few minutes, whilst you step out of the car to check that the cooling fan is working.

CAUTION: Do not open the bonnet if you can see or hear steam or coolant escaping from the engine compartment. Wait until no steam or coolant can be seen or heard before opening the bonnet.

If the fan is working and the temperature gauge needle has not returned to its normal position within this time then STOP the engine, turn the ignition key to B (off) and proceed as follows.

Look for leaks at the radiator hoses and connections, heater hoses and connections, radiator and water pump.

Take care when checking all these areas as they will probably still be hot.

If you find a major leak or find other problems that may have caused the engine to overheat, do not run the engine until these problems have been corrected.

If you do not find anything wrong then you should check the engine coolant level.

CAUTION: Do not remove cooling system caps if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

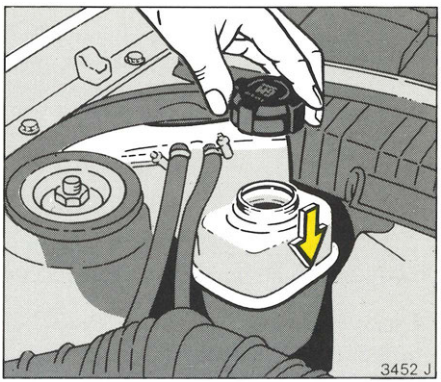
When the engine has cooled sufficiently, remove the surge tank cap as follows:

The surge tank is located on the driver's side of the engine bay, towards the rear of the car.

Cover the surge tank cap with a thick cloth and **slowly** turn anti-clockwise and remove.

Top up the surge tank with clean water to the centre weld joint WHEN THE ENGINE IS IDLING.

Replace the cap and leave the engine idling for a few minutes.



If, after taking one or more of the above actions, and once the temperature gauge no longer signals an overheat condition you can resume driving at a reduced speed. Return to normal driving after ten minutes if the temperature gauge does not again show an overheat condition.

If overheating occurs again you should have the car attended to, as soon as possible, by a qualified mechanic.

Note that with this type of sealed, pressurised cooling system there should be very little loss of coolant. If the surge tank is low a leak is indicated. Therefore you should see your Holden Dealer as soon as possible to fix the leak.

The engine may temporarily operate at high temperature during more demanding operating conditions, especially on very hot days. These conditions include:

- climbing a long hill
- stopping immediately after high speed driving
- idling for long periods in traffic
- towing a heavily laden trailer or caravan.

You should avoid operating your car for prolonged periods in any of the above circumstances if the temperature gauge indicates high engine coolant temperature.

Refer to page 6-4 which gives maintenance instructions to help protect your cooling system from overheating.

CAUTION: DO NOT attempt to "push start" or "tow start" your Calibra. These cars are fitted with a catalytic converter and if uncombusted fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire.

If your car will not start due to a discharged battery, it can often be started by using energy from another battery - a procedure called "jump starting".

However, if after reading the following procedure you are still unsure about "jump starting" we strongly recommend for your safety and that of your car that you leave the starting to a competent mechanic.

Jump starting

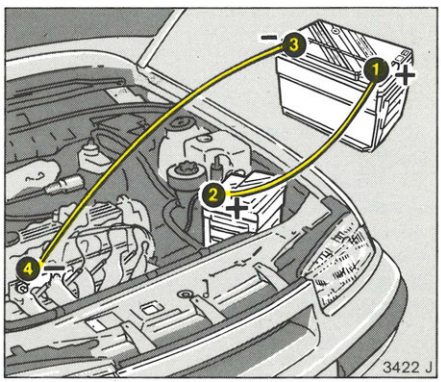
CAUTION: Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, to lessen the chance of personal injury when working near a battery:

- Do not expose the battery to open flames or sparks. Battery action generates hydrogen gas which is flammable and explosive.
- Do not smoke near a battery.
- Wear eye protection such as industrial safety glasses and avoid leaning over the battery whenever possible.
- Do not allow battery acid to contact eyes or skin. Flush any contacted area with water immediately. In case of eye contact you should get medical help. Battery acid will also damage paintwork and fabrics if not washed off immediately.
- Be sure any batteries that have filler caps are properly filled with fluid.
- Remove rings, metal watch bands and other metal jewelry before working around the battery.
- Carefully follow each step in the jump starting procedures.
- Never use a quick charger to start your engine.

1. The battery of your car has a negative earth and a 12 volt rating. The battery in the other car (that is being used to jump start the flat battery) must be the same voltage and also have a negative earth. So, check the specifications in the other car's owner manual to see if it complies. Serious injury or damage may result if the wrong type of battery is used.

2. Position the two cars so that they are NOT touching and apply the park brakes. Automatic transmissions are to be placed in PARK and manual transmissions placed in NEUTRAL. Turn off ignition and all lights and accessories in both cars, except the hazard warning flasher or any lights needed for the work area.

3. Attach one end of the first jumper cable to the positive terminal of the other car's battery (identified by a red colour, + or P on the battery case, post or clamp) and the other end of the same cable to the positive terminal of your car's battery.



4. Attach one end of the second jumper cable to the negative terminal (identified by a black colour, - or N on the battery case, post or clamp) and the other end to a solid stationary, metallic point on your car's engine. DO NOT CONNECT DIRECTLY TO NEGATIVE POST OF YOUR CAR'S BATTERY! The connection should be as far away from the discharged battery as possible.

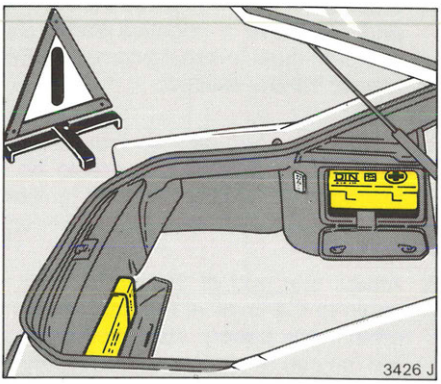
5. When making all connections take care that the clamps from one cable do not inadvertently touch the clamps on the other cable. Also, ensure that jumper cables are not on or near pulleys, fans or other points that will move when the engine is started.

6. Start the engine in the other car and run the engine at a moderate speed. Then start the engine in your car. Attempts to start the engine with the discharged battery should be made at intervals of one minute and should not last longer than 15 seconds.

7. After starting, allow both engines to idle for approx 3 minutes with the leads still connected.

8. Leave the engine running as you remove the jumper cables by reversing the above sequence exactly. While removing each clamp, take care that it does not touch any other metal while the other end remains attached.

Both the hazard triangle and first aid kit are located in the boot, the hazard triangle at the very rear, the first aid kit in a compartment on the left hand side.



To use the triangle:

- remove the assembly from the yellow plastic box.
- open the black base out until it is locked into a cross shape
- stand on its feet.
- There are three reflector bars. Swing up the outer two and lock together at the top.

The resultant triangle should be placed so as to give a warning to other drivers, reflector side to the oncoming traffic. The faster the traffic is travelling the further back the triangle should be placed.

Chapter 5

Warranty, HoldenWise, Authorised Holden Dealers, Customer Assistance

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5-18 **Customer Assistance**

Note: Dealership names and addresses are correct at time of printing. They may change from time to time without notice.

GENERAL MOTORS - HOLDEN'S AUTOMOTIVE LTD.

NEW VEHICLE WARRANTY

GENERAL MOTORS - HOLDEN'S AUTOMOTIVE LTD. AUST.CO.NO. 006 893 232 (HEREINAFTER HOLDEN'S), WARRANTS THAT IT WILL MAKE GOOD WITHOUT CHARGE, ANY DEFECT WHICH APPEARS IN THE VEHICLE IDENTIFIED IN THE VEHICLE IDENTIFICATION CERTIFICATE FOUND ON THE INSIDE OF THE FRONT COVER OF THIS HANDBOOK.

Provided

1. the defect has been notified to an authorised Holden Dealer or Service Dealer:
   (a) before the vehicle has travelled a distance of 20,000 km or,
   (b) within 12 months of the date of delivery of the vehicle to the first retail purchaser (or in the case of a demonstrator vehicle within 12 months of the date when is was first placed into service by the Dealer)

   whichever comes first, and

2. the vehicle has been returned to an authorised Holden Dealer or Service Dealer

   and

the Dealer has determined that the defect complained of is one of workmanship and *is not* caused by

(a) misuse or abuse of the vehicle such as by racing, rallying, overloading, etc., or by neglect
(b) operation of the vehicle after it is known to be defective
(c) accident or deliberate act
(d) atmospheric fallout or flood, hail, salt, etc.
(e) failure to carry out proper maintenance service
(f) use of incorrect types and grades of fuel, oil or lubricants
(g) alteration or modification of the vehicle by any party not authorised by Holden's
(h) the fitting of parts or accessories not marketed by Holden's
(i) any work carried out on the vehicle by someone other than an authorised Holden Dealer or Service Dealer,

BY THE DEALER (or as otherwise decided by Holden's) MAKING GOOD THE DEFECT BY REPAIR OR, AT THE OPTION OF HOLDEN'S, BY REPLACEMENT.

Excluded from this Warranty are:

- defects in tyres (these being warranted by their manufacturers), and services such as engine tuning, brake adjustment, replacement of air and oil filter, wiper rubbers, etc. which are required as part of normal vehicle maintenance.

This Warranty applies only to vehicles operated in Australia and is given to the person who is entitled to possession of the vehicle whether as owner, lessee or otherwise and is given in addition to all rights conferred by law on that person.

Owners of vehicles operated outside Australia should consult their local dealer regarding the warranty applicable to their vehicles.

Unauthorised statements in relation to Holden's products

No Holden Dealer or other person is authorised or permitted to give or make any statement assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any Holden's product or in connection with the supply of any Holden's product, which is at variance with any written statement assertion or undertaking on any of these subjects given or made by Holden's in its published sales literature, and the Company does not accept any such unauthorised action.

Warranty on Holden's replacement parts

Holden's warrants in respect of Holden's parts and accessories required as replacement parts, that it will make good by repair or at its option by replacement any defect occurring in any such Holden's parts and accessories within 12 months from the date of acquisition or in the case of a Holden's part or accessory which has been installed in a vehicle by a Holden Dealer or Service Dealer before such vehicle has travelled a distance of 20,000 km from the date of installation, whichever first occurs.

This section is designed to assist you in understanding the terms of the Holden's Warranty provided with your new car.

The following are some of the most frequently asked questions for which detailed answers have been provided.

Q 1. How do I go about obtaining Holden's Warranty Service?

It is the responsibility of the Selling Dealer to provide Holden's Warranty Service, therefore you should take your car to the Selling Dealer whenever Holden's Warranty Service is required. However, if this is not possible, you may go to any other Authorised Holden Dealer. The details recorded inside the front cover of this handbook are required by the Dealer whenever you request Holden's Warranty Service.

Q 2. What should I do if my car becomes unsafe or inoperative as a result of a defect which is covered by the Holden's New Vehicle Warranty?

You should contact the nearest Authorised Holden Dealer or Holden's Customer Assistance as soon as possible and arrange for that Dealer to carry out the required Holden's Warranty Service.

Q 3. What should I do if, in an emergency, Holden's Warranty Service is required and an Authorised Holden Dealer is not available to provide such service at the time?

If, in an emergency, a repair, replacement or adjustment (covered by the Holden's New Vehicle Warranty) is required to enable your car to be operated safely and it is not practical for you to have that service performed by an Authorised Holden Dealer, the service (to the extent that it is necessary to enable your car to be operated safely) may be performed by any other qualified service technician or repairer. A claim for the reasonable cost may be made through the Authorised Holden Dealer who would normally provide you with Holden's Warranty Service. You must also take your car to the Authorised Holden Dealer for inspection of the service and/or completion of any required Holden's Warranty Service as soon as possible.

Note: During normal business hours you should seek authorization from your nearest Authorised Holden Dealer or Holden's Customer Assistance, prior to repairs being commenced.

Q 4. Would my car's engine benefit from fuel additives, oil additives or coolant additives not marketed by Holden's?

The use of break-in oil, tune-up compounds, friction-reducing compounds and other supplemental additives are *not* recommended; their use will not only increase operating costs, but may be detrimental to the operation of your car.

Q 5. Will I have to pay for maintenance costs during the Warranty Period?

Maintenance costs are not covered by the Holden's New Vehicle Warranty.

The Maintenance Schedules in this handbook specify the minimum maintenance required for your car operating under normal conditions.

The Maintenance items, except where they are required as a result of defects in materials or workmanship, for which you will be required to pay include:-

- Engine tune-up; including replacing spark plugs.
- Replacement of all filters.
- Cleaning or flushing of fuel, coolant, brake, engine, transmission, power steering etc., after 1,500 kilometres.
- Adding to or replacing lubricants.
- Adding to or replacing air conditioning refrigerant, after 5,000 kilometres.
- Any necessary adjustments to drive belts, transmissions, clutch, park brake etc.
- Wheel balancing - after 5,000 kilometres.
- Wheel alignment.
- De-dusting or de-glazing of brake pads - after 1,500 kilometres.
- Brake lining wear or damage.
- Brake disc pad or disc wear.
- Battery re-charging.
- Paint, bright metal finish and trim, due to normal deterioration.
- Body panel adjustment - after 1,500 kilometres.
- Door, or bonnet lock adjustments.
- Glass or channel adjustments - after 1,500 kilometres.
- Body rattle, squeaks and general tightening of bolts, fastenings and fittings - after 1,500 kilometres.
- Chipped glass or breakage.
- Torn or damaged floor mats or carpets.

Q 6. Are my tyres covered by the Holden's New Vehicle Warranty?

No. The tyres fitted to your car are covered by a separate warranty provided by the tyre manufacturer. Any Authorised Holden Dealer will assist you by discussing any queries which you might have with respect to the tyre manufacturer's warranty with the tyre manufacturer's representative.

Q 7. Are damage or injury, loss of time, inconvenience, commercial or other direct or indirect loss covered by the Holden's New Vehicle Warranty?

No, these items are not covered. The Holden's New Vehicle Warranty only covers the repair, replacement or adjustment of those parts of your car which are found to be defective in materials or workmanship. No other types of claim for compensation of any kind, even if the same resulted from a consequence of a defect in materials or workmanship in your car will be recognised under the Holden's New Vehicle Warranty. The rights and remedies which are available to you under any relevant Statutory Enactment or otherwise, at law, in connection with any such claim for compensation, you must pursue outside the ambit of the Holden's New Vehicle Warranty.

Q 8. Are Holden's parts and accessories covered by warranties?

If you purchase a Holden's part or accessory from an Authorised Holden Dealer it will by warranted by that Dealer under the Holden's parts and accessories Warranty against defects in materials or workmanship for a period of 12 months from the date at which you purchased it. In the case of a Holden's part or accessory which has been installed in a vehicle by a Holden Dealer or a Service Dealer it will be warranted for a period of 12 months or a distance of 20,000 km from the date of installation, whichever occurs first.

Maintenance items such as filters, spark plugs, wiper blades and brake pads/linings will require replacement as part of normal maintenance. Such replacements are not the subject of this warranty.

Q 9. Will I have to pay for any costs or expenses in connection with the provision of Holden's Warranty Service?

All parts and labour used in carrying out Holden's Warranty Service at the premises of the Servicing Dealer are free of charge. Whenever Holden's Warranty Service is to be carried out by the Servicing Dealer it is your responsibility to deliver your car to the Servicing Dealer's premises.

If, as a result of a defect which is covered by the Holden's New Vehicle Warranty, your car cannot be driven safely and you arrange for the nearest Authorised Holden Dealer to carry out the required Holden's Warranty Service, Holden's will accept reasonable towing costs to move your car to the nearest Holden Dealer's premises. Before employing a towing company, contact the nearest Holden Dealer and/or Holden's Customer Assistance (refer page 6-18) to obtain guidance.

ONE FEATURE EVERY CAR MAKER WOULD LOVE TO BE ABLE TO OFFER.

Holden, a lot more than just a car

As you'll soon discover, your new Holden is a lot more than just a car..... because every Holden comes with one very special feature, HoldenWise.

HoldenWise was created to offer Holden owners the best Australia wide service and parts system possible. To do this we've drawn on all the technical resources and service skills of General Motors-Holden's. However, the key to our service is and always will be, people, with over 5,000 Holden service and parts specialists spread across the country. Thanks to them, we can offer HoldenWise Customer Protection at participating Holden Dealer service and parts centres, with complete confidence.

Holden Specialists

HoldenWise technicians have been specially trained by the factory and have the experience in service and parts skills necessary to work on your car. As you can imagine Holden's today's are a lot more sophisticated than they used to be, which means specialist service is essential.

Knowing Holden's so well, our technicians know exactly how long each service takes, which is why Holden dealers can offer fixed price servicing.

HoldenWise Fixed Price Servicing

HoldenWise has eliminated one of the big worries about car services, not knowing what the bill will be. Every participating Dealer service centre offers fixed price servicing. You need only ask and you'll be given a quote on how much the job will cost before it's started. So there are no nasty surprises when paying the bill.

Of course, if during the service, a problem is discovered, you'll be telephoned immediately before any more work is done.

You may be comforted to know that all participating Dealer work is covered by a workmanship warranty.

HoldenWise Workmanship Warranty

All services and repairs are covered by a 6 month/10,000 km Dealer warranty on workmanship. If a fault arises during that period, due to the service, your Holden Dealer will fix it. But workmanship isn't the only thing that is guaranteed.

HOLDENWISE
QUALITY SERVICE & PARTS
We guarantee our service workmanship for a period of 6 months or 10,000 kilometres.
GUARANTEE

HoldenWise 12 month/20,000 km Parts Warranty

The parts used in HoldenWise services are manufactured and tested to the same high standards as the originals, so Holden quality parts carry the same 12 month/20,000 km warranty. Naturally the warranty does not apply to normal maintenance parts like oil filters and spark plugs.

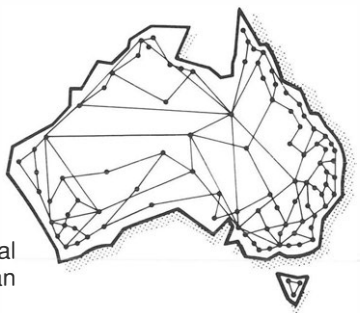
Whilst on the subject of parts, how often have you been told you'll have to wait a while until the parts can be found?

Thanks to the HoldenWise network, it's something you're unlikely to encounter at your Holden Dealer.

The HoldenWise Network

Most HoldenWise Dealer service and parts centres are computer linked through to the factory, which means you'll never have to wait an eternity for the right parts to be found.

What's more, with around 370 Dealers nationwide, you'll never be far from the same high standard of service.

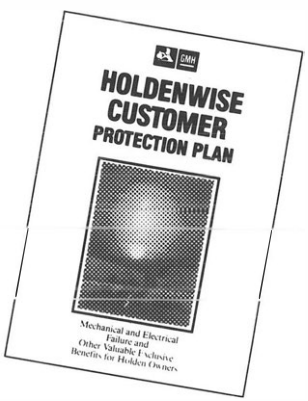


Most car makers would be more than happy to provide this level of customer protection, but at Holdens we think you deserve better. So we've developed the HoldenWise 4 year extended warranty plan.

HoldenWise extended warranty

For a relatively small price, you can extend the original 12 month/20,000 km warranty on your car for an additional one, two or three years.

This warranty covers all mechanical and electrical repairs including parts and labour. Plus the cost of car hire, should your car be immobilised for more than two days.



As the extended warranty is transferable, it even increases the value of your car when the time comes to sell it.

As you can see with HoldenWise Customer Protection, your new Holden is a lot more than just a car. After all, you've got the guaranteed skills and service of over 5,000 dedicated Holden specialists, wherever you are in Australia.

Customer Assistance.

Finally, we suggest you read the item on page 5-18 of this handbook for information on Holden's Customer Assistance Service.

N.S.W. Metropolitan

ARNCLIFFE **Suttons Motors Arncliffe Pty Ltd** - 93 Princes Highway
ASHFIELD **Muirs Motors (Ashfield) Pty Ltd** - 252 Parramatta Road
BALGOWLAH **Mitchell Cox Holden** - 164 Condamine Street
BLACKTOWN **West City Holden** - 120~128 Sunnyholt Road
CABRAMATTA **John Abrahams Holden** - 266~284 Hume Highway
CAMPBELLTOWN **Paul Wakeling Holden** - Cnr Blaxland & Campbelltown Rds
CHULLORA **Suttons Motors (Chullora) Pty Ltd** - Cnr Hume Hwy & Waterloo Road
CROWS NEST **New Hunter Holden** - 446 Pacific Highway
DEE WHY **Peninsula Holden** - Cnr May & Mooramba Roads
GORDON **Sundell Holden** -Cnr 836 Pacific Hwy & McIntyre Street
HOMEBUSH **Suttons Motors Homebush Pty Ltd** - 112 Parramatta Road
HOMEBUSH **Gilbert & Roach Pty Ltd** - 167~173 Parramatta Road
KINGSFORD **John Pellegrini Holden** - 263~271 Anzac Parade
LAKEMBA **Michael Lyons Holden** - 817 Canterbury Road
LIVERPOOL **A.C. McGrath & Co Pty Ltd** - 411~419 Hume Highway
MIRANDA **Greg Ball Holden** - 1~3 Kiora Road
NEWPORT **Esso Car Care Centre (Mobil)** - 340 Barrenjoey Road
PADSTOW **Princeton Holden** - 19 Davies Road
PARRAMATTA **Boyded Parramatta** - 65 Church Street
PENNANT HILLS **Barry Smith Holden** - 351~355 Pennant Hills Road
PENRITH **Triway Holdings Pty Ltd** - 39~47 Henry Street
ROCKDALE **Peter Terry Holden** - 571 Princes Hwy
RYDE **Hunter Holden** - 603~605 Victoria Road
SPRINGWOOD **Springwood Holden** - 15 Ferguson Road
ST. MARY'S **John Young Holden** - Cnr Glossop & Harris Streets
WAITARA **Suttons Motors Waitara Pty Ltd** - 90 Pacific Hwy
WINDSOR **Hawkesbury Valley Holden** - 18 Macquarie Street

N.S.W. Country

ADELONG **Robert Broadhurst Holden** - Tumut Street
ALBURY **Brian White Holden** - 647~657 Dean Street
ARDLETHAN **Carr's Engineering** - 4 Mirrool Street
ARMIDALE **New State Motors** - 103 Rusden Street
BALLINA **Quayside Motors** - Pacific Highway
BARADINE **John Farrell & Co.** - Wellingon Street
BARHAM **Hall's Motors Pty Ltd** - 44 Noorong Street
BATHURST **Bathurst Motors Pty Ltd** - 54 Durham Street
BATLOW **Robert Broadhurst Holden** - Pioneer Street
BEGA **South Coast Holden** - 247 Carp Street
BELLINGEN **E.H.H. Raymond Pty Ltd** - Broadway
BELMONT **Challenge Holden** - 444 Pacific Highway
BOMBALA **Delcott Engineering Pty Ltd** -Maybe Street

N.S.W. Country cont.

BOOROWA **Boowowa Auto Repairs** - 40 Marsden Street
BREWARRINA **Hertslet Holden** - Bathurst Street
BROKEN HILL **Donlee Motors Pty Ltd** - Cnr Galena & Rakow Streets
CANOWINDRA **Canowindra Motors** - Gaskill Street
CARDIFF **Brian Kelly Holden** 35~39 MacQuarie Road
CASINO **McKinnon Holden** - 142 Barker Street
CESSNOCK **Geoff Boyd Holden** - 173~175 Wollombi Road
COBAR **Cobar Motors Pty Ltd** - Barton Street
COFF'S HARBOUR **Geoff King Holden** Cnr Pacific Hwy & Thompson Rd
COOLAMON **Coolamon Motors** - Cowabbie Street
COOMA **Summit Holden** - 66~70 Sharp Street
COONABARABRAN **Alan McWhirter Holden** - John Street
COONAMBLE **Moody's Motors** - 37 Aberford Street
COOTAMUNDRA **Jenkins Garage** - 111 Wallendoon Street
COROWA **R.W.E. Fraser & Co Pty Ltd** - 218 Honour Avenue
COWRA **Waugoola Motors Pty Ltd** - Kendal Street
CROOKWELL **Crookwell Autos** -114 Goulburn Street
DENILIQUIN **Burchfield Bros & Co** -112~114 End Street
DORRIGO **Phil Noble Motors** - 46~48 Hickory Street
DUBBO **John Kierath** - 54 Bourke Street
EDEN **Ron Doyle** -113 Imlay Street
FINLEY **Riverina Garage Finley** -104 Murray Street
FORBES **Paddison & Co** - Cnr Rankin St & Court Lane
GILGANDRA **Allan Cooper Holden** - 106 Warren Road
GLEN INNES **Glen Severn Holden** - 167 Grey Street
GLOUCESTER **Grahame's Garage Pty Ltd** -1 Park Street
GOSFORD **Noble Holden** - Pacific Highway
GOULBURN **Geissler Motors** - 279~298 Auburn Street
GRAFTON **Ken Casson Holden** - 71~ 75 Spring Street
GRENFELL **Terry Carroll Motors Pty Ltd** - 40 Alexandra Street
GRIFFITH **Leo Franco Holden** -152 Yambil Street
GUNDAGAI **McPherson Motors Pty Ltd** - Sheridan Street
GUNNEDAH **Namoi Valley Motors** - 48 Barber Street
GUNNING **Bailey's Garage Pty Ltd** - Yass Street
GUYRA **Burgess Garage Pty Ltd** - 131~143 Bradley Street
HARDEN **Ginty & O'Leary** - Cnr Station & Albury Streets
HAY **Royce Curtis Motors** - 168 Lachlan Street
HOLBROOK **Lieschke Motors Pty Ltd** - Albury Street
INVERELL **Gaukroger Sales Pty Ltd** - Vivian Street
JERILDERIE **Jerilderie Motors** - Jerilderie Street
KANDOS **Chrisfield Holden** - 11 Angus Street
KATOOMBA **Arthur Brown Holden** - 136 Great Western Hwy
KEMPSEY **Thoroughgood Motors** - 118~132 Belgrave Street
KIAMA **Glen Fulton Holden** - 35~41 Collins Street
KYOGLE **O & A Holden** - 128~134 Summerland Way
LEETON **John Ryan Holden** - 47 Pine Street
LISMORE **John Chant Motors Pty Ltd** - 21~27 Carrington Street
MACKSVILLE **Eastland Auto Centre** - 18~22 Cooper Street
MACLEAN **O'Halloran Motors** - 175 River Street
MAITLAND **Heritage Holden** - 557~567 High Street
MOREE **Keith Haddad Holden** - Cnr Boston & Heber Streets
MORUYA **Surfair Holden** - 88 Vulcan Street

N.S.W. Country cont.

MOSS VALE **Vagg & Partners Holden -** 160 -162 Argyle Street
MULLUMBIMBY **Tony Carsburg Holden** - 2 Argyle Street
MUDGEE **Ross Granata Motors** - 47~55 Market Street
MURWILLUMBAH **John Giddings Holden** - 29 Prospero Street
MUSWELLBROOK **Upper Hunter Motors Pty Ltd** - 116 Bridge Street
NARRABRI **Allan Cooper Holden** - 181 Maitland Street
NARRANDERA **C. & S. Coelli** - 6 Boundary Road
NARROMINE **L.E. Stanley Pty Ltd** - Dandaloo Street
NEWCASTLE **Young & Green Pty Ltd -** 745 Hunter Street
NOWRA **Glendon Motors Holden** - 301~313 Princes Highway
ORANGE **Canobolas Holden** - 348 Summer Street
PARKES **Go Motors of Parkes** - Cnr Mitchell & Clarinda Streets
PEAK HILL **S.Leary & Sons Pty Ltd** - Mingelo Street
PORT MACQUARIE **Todd Holden -** 16~20 Clarence Street
QUIRINDI **Browning Motors** - 82 Henry Street
SCONE **Upper Hunter Motors (Scone)** - 91 Kelly Street
SINGLETON **Lancaster Holden** - 80 John Street
TAMWORTH **Kensells Holden** - Cnr Bourke St & Kable Ave
TAREE **Hardes Auto House -** 61 Manning Street
TEMORA **Rod Lovering Holden** - 2 Stockinbingal Road
TENTERFIELD **Sexton & Green (Sales & Service) Pty Ltd** -148 Rouse Street
TORONTO **Young & Green (Toronto) Pty Ltd** - Carey Street
TUMBARUMBA **Broadhurst Autos** - Albury Street
TUMUT **Nancarrow Holden** - 35 Fitzroy Street
ULLADULLA **Johnston Holden** - 150 Princes Highway
TWEED HEADS **Tweed Motors Pty Ltd** - 75~79 Pacific Highway
WAGGA **Wagga Motors Pty Ltd** - 32 Dobney Avenue
WALCHA **Bowden's Garage Pty Ltd -** Derby Street
WALGETT **Walgett Garage Pty Ltd** - 81 Wee Waa Street
WALLA WALLA **D.E. Lieschke & Son Pty Ltd** - Commercial Street
WARIALDA **Roger Moore** - Hope Street
WARILLA **Wilson's Warilla Pty Ltd** - 29 Shellharbour Road
WARREN **Fuller Bros** - Dubbo Street
WELLINGTON **Gersbach's Garage Pty Ltd** - 92 Lee Street
WEST WYALONG **West Wyalong Motors** - 183 Main Street
WOLLONGONG **Dwyers Pty Ltd** - 31~33 Crown Street
WYONG **W.M. Holden** - Pacific Highway
YASS **Bill Nesbitt Holden** - 221 Comur Street
YOUNG **Harden & Geelan Holden** - 48 Boorowa Street

A.C.T.

BELCONNEN **Gerald Slaven Holden** - Josephson Street
BRADDON **Beazley & Bruce** - 44 Mort Street
PHILLIP **Commonwealth Motors Pty Ltd** - 158 Melrose Drive

Vic. Metropolitian

BERWICK **Barry Bourke Holden** - 755 Princes Highway
BUNDOORA **Watson Holden** - 413 Grimshaw Street
BURWOOD **Penfold Holden** - 63 Burwood Road
CAULFIELD **Booran Holden** - 1049 Glenhuntly Road
CHELSEA **Harrison Holden** - 370 Nepean Highway
CHELTENHAM **Allwell Holden** - 1212 Nepean Highway
ELSTERNWICK **Reg Hunt Holden** - 77 Nepean Highway
ESSENDON **Preston Motors (Essendon) Pty Ltd** - 205~211 Keilor Road
FAWKNER **Mantello Holden** - 1263 Sydney Road
FERNTREE GULLY **Neilson Holden F.T.G.** - 980 Burwood Highway
FOOTSCRAY **Alan Mance Holden** - 435 Barkly Street
FRANKSTON **Noel Gould Holden** - 140 Dandenong Road
GEELONG **R & B Smith Holden** - 510 Moorabool Street
GEELONG **Winter & Taylor (Sales) Pty Ltd** - 23 Cavendish Street
GLEN WAVERLEY **Geoff Brady Holden** - 565~577 Springvale Road
HASTINGS **Westernport Holden** - 843 Frankston~Flinders Road
LILYDALE **Noel Dight Holden** - 344 Main Street
MORNINGTON **John Collins Holden** - 976 Nepean Highway
OAKLEIGH **Garry & Warren Smith** - 1575 Dandenong Road
PRESTON **Ralph D'Silva Holden** - 573-603 High Street
RINGWOOD **Patterson Cheney Holden** - 45~57 Maroondah Highway
SOUTH MELBOURNE **Patterson Cheney Holden** - 132 Sturt Street
SUNSHINE **Kevin Dennis Holden** - 272 Ballarat Road
WERRIBEE **Ballan Holden** - Princes Highway
WEST MELBOURNE **Reg Hunt Holden** - 577 King Street

Vic. Country

ALEXANDRA **Alexandra Tyre & Hire** - 79 Grant Street
ARARAT **David Reid Motors** - High Street
BAIRNSDALE **The Big Garage** - 199 Main Street
BALLARAT **Peter Amor Motors** - 2~26 Mair Street
BENALLA **Arnott's Motors** - 88~90 Bridge Street
BENDIGO **Ron Poyser Holden** - Cnr High & Myrtle Streets
BIRCHIP **R.L. & C.J. Bales** - 38 Cumming Avenue
BOORT **Jaron Motors** - 55 Godfrey Street
CASTERTON **Coxons Autos** - 139 Henty Street
CASTLEMAINE **Terry Scully Motors** - Barker Street
CHARLTON **K.V. Charlton** - 70 High Street
COBRAM **Neville Mustica Motors** - Murray Valley Hwy
COHUNA **Humphrey Motors Pty Ltd** - 13~15 Market Street
COLAC **Parker Bros Motors Co** - 224 Murray Street
CORRYONG **Boers Motors** - 88~90 Hanson Street
DAYLESFORD **K.R. Little Pty Ltd** - Vincent Street
DIMBOOLA **Westerfield Motors Pty Ltd** - 64 Lloyd Street
DONALD **O.A. Shilton & Sons Pty Ltd** - Wood Street
ECHUCA **Echuca Motors** - 148 Murray Valley Highway
EUROA **Croxford Holden** - 41 Clifton Street
FOSTER **Ray Dower Motors** - 78 Main Street

Vic. Country cont.

HAMILTON **Peter Sandow Motors Pty Ltd** -261 Gray Street
HOPETOUN **Hopetoun Motors** - 78 Lascelles Street
KANIVA **Kaniva Motors -** 82 Commercial Street
KOOWEERUP **Gray Blakey Holden** - Station Street
KORUMBURRA **Peter Dunlevie Holden** - 42 Commercial Street
KYABRAM **D'Alberto Holden** - 60 McEwen Road
KYNETON **Mollison Motors Pty Ltd** - 167 Mollison Street
LEONGATHA **Gleeson Holden** - 37~43 Bair Street
MAFFRA **Knight Paterson Holden** - Johnson Street
MANSFIELD **Christopher & Kirley Automotive Services** - Early Street
MARYBOROUGH **Graham Jacka Holden** - 35 Nolan Street
MILDURA **Stuart & Harrison (Sales) Pty Ltd** - 24~32 Deakin Avenue
MIRBOO NORTH **Ridgeway Motors** - 106 Ridgeway Road
MORTLAKE **W. Christian (Mortlake) Pty Ltd** - 107 Dunlop Street
MURRAYVILLE **Peers Motors** - McKenzie Street
NATHALIA **BHB Motors** - 6 Blake Street
NHILL **Ivan Morrow Motors Pty Ltd** - 71~73 Nelson Street
NULLAWIL **Nullawil Motors & General Engineers** - Calder Highway
ORBOST **Merlin Motors** - Stanley Street
PORTLAND **Reynolds Holden** - Henty Highway
QUAMBATOOK **Quambatook Auto Services** - 32 Gutherie Street
ROCHESTER **Bruce Hocking Motors Pty Ltd** - 71 Moore Street
RUTHERGLEN **Jasper Bros Pty Ltd** - Main Street
SALE **Keith Boyd Holden** - 273 York Street
SEA LAKE **Paddy Smith Holden** - Calder Highway
SEYMOUR **Neil Beer Holden** - 49 Emily Street
STAWELL **Tonkin Motors** - 71~73 Main Street
ST. ARNAUD **Maurie McGrath Motors** - 126 Napier Street
TALLANGATTA **Crispin Motors** - 21 Towong Street
TIMBOON **Timboon Motors** - Bailey Street
TRARALGON **Colin Watson Holden** - Princes Highway
UNDERBOOL **A.J. Gloster & Sons -** Cotter Street
WANGARATTA **Alan Capp (New Cars) Pty Ltd** - Tone Road
WARBURTON **Col McKenzie Holden** - Main Street
WARRACKNABEAL **Amor Motors Aubrey Truck Sales** - 33 Woolcock Street
WARRAGUL **Vin Rowe Holden** - 3 Endeavour Street
WARRNAMBOOL **Callaghan Motors Pty Ltd** - 133~137 Fairy Street
WONTHAGGI **J.P. Holden** - 2 Murray Street
YARRAM **Graham Helleren Motors Pty Ltd** - Bland Street
YARRAWONGA **Pigdons Pty Ltd** - Belmore Street

Tas.

BURNIE **Motors Burnie** - 84~89 Marine Terrace
DEVONPORT **Motors Devonport** - Victoria Parade
HOBART **Motors Pty Ltd** - 179 MacQuarie Street
KING ISLAND **King Island Motors Pty Ltd** - Netherby Road, Currie
LAUNCESTON **Motors Launceston** - 93~95 Elizabeth Street
SMITHTON **Motors Pty Ltd** - 116 Nelson Road
ULVERSTONE **Motors Pty Ltd** - 99 Reibey Street

Qld. Metropolitan

ALBION **Bill Harrison Car Sales** - Frodsham Street & Crosby Road
ASPLEY **Zupps (Aspley)** -1442 Gympie Road
BOOVAL **Zupps Holden** - 246 Brisbane Road
CAPALABA **Oldfield Holden** - 103 Redland Bay Road
MOOROOKA **John Sivyer Holden** - 1060 Ipswich Road
MT. GRAVATT **Zupps Motors Pty Ltd** - 1310 Logan Road
NEWSTEAD **Eagers Retail Pty Ltd** - 95 Breakfast Creek Road
NUNDAH **Eagers (Northside)** - 1319 Sandgate Road
PETRIE **North Pine Motors** - Gympie Road
REDCLIFFE **Village Holden** - 425 Elizabeth Avenue
SPRINGWOOD **Motorama Holden** - Cnr Pacific Highway & Brennan Street
WINDSOR **Leach Holden** - 143 Newmarket Road
WOOLLOONGABBA **Armstrong Holden** - 73 Ipswich Road
WYNNUM **Doug Barton Holden** - 200 Tingal Road

Qld. Country

ATHERTON **Redding Motors Pty Ltd** - 2 Cook Street
AYR **Honeycombes Sales & Service** - 213~217 Queen Street
BEAUDESERT **Lawson Holden** - 57 Brisbane Street
BILOELA **Richard Cooley Holden** - Dawson Highway
BOWEN **McDermott Holden** - 98 Herbert Street
BUNDABERG **Ross Gray Holden** - Takalvan Street
CABOOLTURE **Becham Holden** - Bribie Island Road
CAIRNS **Ireland Holden** - 227~233 Mulgrave Road
CALOUNDRA **Drinnan Holden** - Caloundra Road
CHARLEVILLE **Alan Dobbin Holden** - 129 Alfred Street
CHARTERS TOWERS **Peters Holden** - 57 Mosman Street
CHINCHILLA **Ainsworth Motors & Machinery Pty Ltd** - 55 Chinchilla Street
CLONCURRY **Cloncurry Motors** - 59 Scarr Street
CROWS NEST **Dennis Nissen Motors** - 14 William Street
DALBY **Johnson's Holden** - 36 Drayton Street
EMERALD **Leahy Motors** - Clermont Street
GATTON **Gatton Auto Centre** - 67 Railway Street
GLADSTONE **Andersons Auto City -** 56 Yaroon Street
GYMPIE **Madills** - 35 Mellor Street
INGHAM **Origlasso Motors** - 99 Lannercost Street
INNISFAIL **I.C. Taylor Pty Ltd** - 117 Edith Street
JULIA CREEK **Julia Creek Motors Pty Ltd** - Burke Street
KILCOY **Hobart's Garage** - 58 Mary Street
KINGAROY **John Dundas Pty Ltd** - 38 King Street
LAIDLEY **Buhse's Garage Pty Ltd** - 5 Spicer Street

Qld. Country cont.

LONGREACH **Longreach Motors** - 33 Swan Street
MACKAY **Pioneer Holden** - Cnr Gordon & Wellington Streets
MAROOCHYDORE **Sunco Holden** - Wises Road
MARYBOROUGH **Whitaker Holden** - 109~111 March Street
MOUNT ISA **Barkly Motors Pty Ltd** - Marian Street
MURGON **Clifton Motors** - McAllister Street
NAMBOUR **Kallenbach Motors** - 139 Howard Street
NANANGO **Nanango Motors Pty Ltd** - 72~74 Drayton Street
NOOSA HEADS **Gilbert Motors Pty Ltd** - Cnr Cooroy Noosa Rd & Coral Tree
PROSERPINE **Crossley Car Whitsunday Pty Ltd** - 162~164 Main Street
QUILPIE **Quality Motors** - Boonkai Street
ROCKHAMPTON **Lawrence's** - 327 Richardson Road
ROMA **Maranoa Multi Agencies** - Bowen Street
SOUTHPORT **Lockhart Holden** - Cnr Nerang Road & Olsen Avenue
SPRINGSURE **Springsure Motors** - Eclipse Street
ST. GEORGE **Halpin Motors** - 39~41 Grey Street
STANTHORPE **Central Motors** - 42 Maryland Street
TOOWOOMBA **Eagers Retail Pty Ltd** - Cnr James & Hume Streets
TOWNSVILLE **Tony Ireland Holden** - 87~91 Charters Towers Road
TULLY **Island Coast Holden** - 12 Richardson Street
WARWICK **Deighton Motors Pty Ltd** - Grafton Street
WINTON **Gillespie Motor Dealers Pty Ltd** - Elderslie Street

N.T.

ALICE SPRINGS **Kittle Bros (Alice Springs) Pty Ltd** - Cnr Wills & Railway Terrace
DARWIN **Kerry Holden** - 21~25 Stuart Highway
KATHERINE **Master Motors** - 1130 Victoria Highway

S.A. Metropolitian

ADELAIDE **City Holden** - 203~221 Grenfell Street
ELIZABETH **Peter Page Holden** - Elizabeth Way
MALVERN **Claridge Holden** - 361~367 Unley Road
PORT ADELAIDE **Smiths of Port Adelaide** - 271 Commercial Road
REYNELLA **Southgate Holden** - 49~59 Main South Road
SOMERTON PARK **Ellers Holden** - 278 Brighton Road
THEBARTON **United Holden** - 1 Port Road
VALLEY VIEW **Plaza Holden** - 817~839 North East Road

S.A. Country

BALAKLAVA **Balaklava Motors** - 4 Wallace Street
BERRI **Rosenthal Bros Pty Ltd** - Vaughan Terrace
CEDUNA **Beck Motors Pty Ltd** - Poynton Street
CLARE **Brian Holmes Holden** - 7 Old North Road
CLEVE **Herbert Motors Pty Ltd** - Main Street
CRYSTAL BROOK **Newitt's** - 26 Brandis Street
CUMMINS **Trigg & Wedd** - 3 Umlauf Street
GAWLER **Steinhage Holden** - Cnr Murray & Bridge Sts
KADINA **J.H. Rosewarne Pty Ltd** - Graves Street
KEITH **Farmers Centre** - McBain Street
KINGSCOTE **Roberts Motors** - Telegraph Road
KINGSTON **Lecornu's Service Garage** - Agnes Street
LOXTON **Flight Motors Pty Ltd** - Bookpurnong Terrace
MAITLAND **Maitland Motors Pty Ltd** - 58 Robert Street
MALLALA **Curnow's Garage Pty Ltd** - Balaklava Road
MENINGIE **Peter Hood Holden** - Cnr Princes Highway & Coonalpyn Road
MILLICENT **Dennis Cowling Holden** - 98 George Street
MT. BARKER **Gilbert Motors (Mt. Barker) Pty Ltd** - 57 Adelaide Road
MT. GAMBIER **O.G. Roberts & Co** - Jubilee Highway West
MURRAY BRIDGE **Dutton Motors Pty Ltd** - 7 Adelaide Road
NARACOORTE **Kingcraig Motors Pty Ltd** - 158~164 Smith Street
PORT AUGUSTA **Ken Feltus Holden** - 38 Stirling Road
PORT LINCOLN **City Motors** - King Street
PORT PIRIE **Spencer Holden** - 50 Ellen Street
RENMARK **Rosenthal Motors Pty Ltd** - Ral Ral Avenue
STRATHALBYN **Gilbert Motors (Strathalbyn) Pty Ltd** - High Street
TANUNDA **E.H. Hage & Co Pty Ltd** - 50 Murray Street
VICTOR HARBOR **Southern Holden** - 5 Victoria Street
WAIKERIE **Riverside Holden** - 6 Crush Terrace
WHYALLA **Mitchell Holden** - 64 Essington Lewis Avenue
YANKALILLA **Martin Motors Pty Ltd** - Main Street
YORKETOWN **Southway Holden** - 7 Minalaton Road

W.A. Metropolitian

CANNINGTON **Brian Gardner Holden** - 1308 Albany Hwy
FREMANTLE **Shacks Holden** - 64 Queen Victoria Street
GOSNELLS **Lance Gibbons Holden** - 2325 Albany Highway
MELVILLE **Melville Motors Pty Ltd** - 532~536 Canning Highway
MIDLAND **Goldy Holden** - 161 Great Eastern Highway
MORLEY **Metro Motors Pty Ltd** - 212 Walter Road
NAVAL BASE **Shacks Cockburn** - 15 Rockingham Road
OSBORNE PARK **North City Holden** - Cnr Scarborough Beach Rd & Harborne St
PERTH **City Motors** - 505 Newcastle Street
VICTORIA PARK **Young's Holden** - 529 Albany Highway
WANNEROO **Phoenix Holden** - 5 Berriman Drive

W.A. Country

ALBANY **Manley Stanwell Holden** - 92~98 Earl Street
BRIDGETOWN **Kordics Bridgetown** - Hampton Street
BROOKTON **Coote Motors** - Robinson Road
BROOME **Norwest Holden** - McPherson Street
BUNBURY **Wallace Holden** - 72 Spencer Street
BUSSELTON **Fennessy Holden** - 2~4 Bussell Hwy
CARNAMAH **T & H Walton Stores Pty Ltd** - Robertson Street
CARNARVON **North West Autos** - 175 Robinson Street
COLLIE **Station Motors** - 102 Throssell Street
CORRIGIN **Farmpower** - Kunjin Road
CRANBROOK **Cranbrook Motors** - 11~13 Gathorne Street
DALWALLINU **Reid & Inglis** - Johnson Street
ESPERANCE **Dempster Holden** - Norseman Road
GERALDTON **Youngs Motors** - Cathedral Avenue
GNOWANGERUP **G.S. Hendry & Co Pty Ltd** - Yougenup Street
KALGOORLIE **Kyle Motors** - 114 Boulder Road
KARRATHA **Moxham Holden**- Lot 1952 Balmoral Road
KATANNING **Edwards Holden** - 159 Clive Street
KELLERBERRIN **Dowding Motors** - 1 Mitchell Street
KUNUNURRA **Elgee Automotive & Diesel Services** - Mango Street
MANJIMUP **Kordics** - Rose Street
MERREDIN **Carson's of Merredin** - 112 Barrack Street
MOORA **Frank Lewis Holden** - Gardiner Street
NAREMBEEN **W.J. Nichols (1979) Pty Ltd** - 20 Churchill Street
NORTHAM **Withnell Motors** - 58 Fitzgerald Street
PORT HEDLAND **Leete Motors** - 26~28 Anderson Street
WAGIN **Marley White & Co** - Tudor Street
WONGAN HILLS **Agro Machinery Pty Ltd** - Fenton Street
WYALKATCHEM **J.S. Rimmer & Sons** - Railway Terrace

We want you to be happy with your new car together with the people you deal with while you have the car.

Normally, any problems which may arise with the sales transaction, operation or servicing of your car will be handled by your Dealer's Sales and Service Department.

We realize however, that, with the best intentions, misunderstandings do occur sometimes.

Accordingly, we suggest you discuss any concern with one of the Dealer's management people. If you haven't received satisfaction from the Sales Manager or Service Manager - go to the General Manager or to the Dealer himself.

By now you should have satisfaction. If not, you have the facility of the Holden's Customer Assistance Service office at your disposal.

The Holden's Customer Assistance representatives can be telephoned from anywhere within Australia for only the cost of a local call. The Melbourne area number is 646 5466. Outside the Melbourne Metropolitan area, the number is 008 03 3349.

If your concern relates to parts/accessories and you have made contact with the Dealer or Distributor without satisfaction, you may contact Holden's Service Parts Operations on (03) 797 7341

Naturally, telephoning is the quickest and the best way of contact. However, if you prefer to write the address is:

The Manager
Holden's Customer Assistance Services
GPO Box 548D
Melbourne, 3001.

Your letter should clearly outline your concern or query, and include the following:

- Your name and address
- Telephone numbers, both private & Business
- Servicing Dealership name and address
- Vehicle model
- Vehicle identification number (VIN)
- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of this handbook.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

Chapter 6

Weekly Checks

Page

6-2 Miscellaneous checks
6-2 Service manuals
6-3 Engine oil level
6-4 Engine coolant level
6-5 Automatic transmission fluid level
6-6 Power steering fluid level
6-6 Brake fluid level
6-7 Washer fluid level
6-7 Battery
6-8 Fuses
6-9 Fuse ratings
6-10 Tyre air pressure
6-11 Tyres (general)
6-13 Trolley jack locations
6-14 Bulb replacement

As well as taking your car to be serviced (refer Chapter 10) there are a few simple, weekly checks that the owner (or Nominee) is required to make. These are shown on the following pages.

The following checks should also be regularly done to ensure proper safety and dependability of your car.

CHECK:

- that all exterior lights are working and that their appropriate interior indicators light up when in operation.
- mirrors and glass are clean and not scratched.
- automatic transmission T-bar indicator correctly lines up next to the gear selected.
- the aim of water on the windscreen or tailgate and condition of the wipers
- demister operates.
- horn works (ignition turned to ON)
- all seat belt condition and operation (give it a sharp tug to make sure that it will 'lock' if necessary) and check that buckles are clean and operating correctly. Remember that seat belts must never be worn twisted.

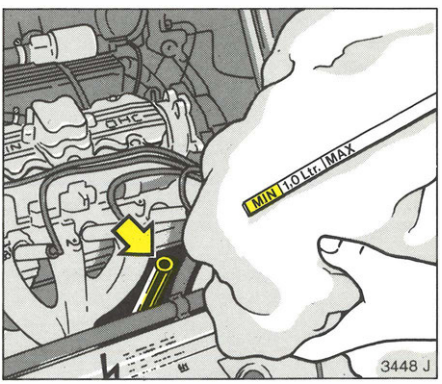
Service manuals

General Motors-Holden's Automotive Limited also publishes various service manuals which are available from your Dealer.

It is normal for every engine to consume some oil. For this reason the engine oil level should be checked every 500 km or before starting a long trip.

The oil level must be checked with the car horizontal and with the engine (which must be at normal operating temperature) switched off. Wait at least two minutes before checking the level to allow the oil to settle. If the engine is cold the oil may take considerably longer to drain back.

To check the level, remove the oil dipstick, wipe it clean and re-insert it as far as it will go, pause for a second then withdraw the dipstick and look at the oil level on it.

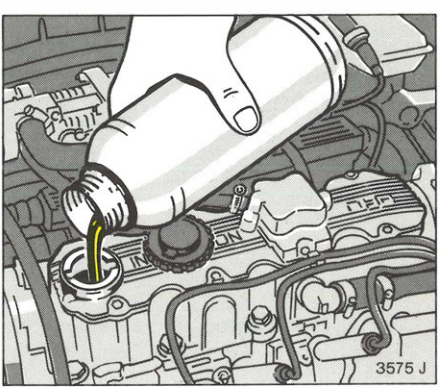


The oil level should be maintained between the MIN and MAX marks.

If you need to add oil, use SF or SG grade engine oil 20W/40 (or 15/W/40 for prolonged use in snow areas).

To add oil, undo the cap on top of the engine. Add enough oil to bring the oil level to MAX mark. As a guide, the distance between the MIN and MAX marks represents 1 litre of oil.

Wait a few minutes for the oil to settle. Then check the oil level again. If still too low, add more oil. If now correct, replace the oil cap and the dipstick.

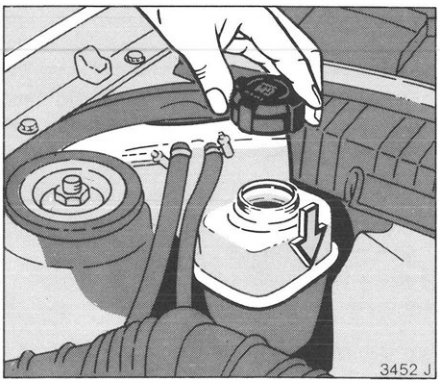


Note that the oil level should not go above the MAX mark on the dipstick. This would lead, for example to increased oil consumption, fouling of the spark plugs and excessive formation of carbon residue.

Oil consumption should not be judged until the car has run several thousand kilometres. It may take this long for oil consumption to stabilize.

NOTE: Non-detergent and other low quality oils are specifically not recommended. The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended. Their use will not only increase costs, but may be detrimental to the operation of your car.

The level of coolant should be checked at least weekly. This is simply a matter of looking at the level in the plastic container when the engine is cold.



The level should be slightly above the KALT/COLD mark when the engine is cold. The level rises when the engine is running and drops again when the engine cools down. If the level falls below the 'kalt' mark the coolant should be topped up to a little over the mark.

The LONG LIFE COOLANT in you car conforms to Holden's specification number HN 2043. This can be purchased as

M40236 (1 litre) M40307 (5 litres) M40238 (20 litres)

If topping up, first premix a solution of 50% LONG LIFE COOLANT and 50% water. Failure to use the specific Holden's coolant or maintain the specified concentration may result in voiding your warranty.

In an emergency, plain water may be used temporarily in the cooling system until the correct Holdens' LONG LIFE COOLANT is obtained as soon as possible from the nearest Holden Dealer.

It should be noted that the specified long life coolant contains special corrosion inhibitors for the best corrosion protection of your engine and cooling system. This LONG LIFE COOLANT also gives your cooling system greater hot weather protection by increasing the boiling point and in addition provides protection in cold weather conditions down to -37° C, provided the correct concentration is maintained.

If you regularly have to top up the cooling system, you should see you Holden Dealer.

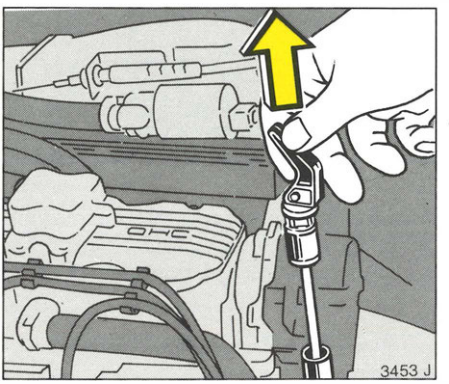
CAUTION: Corrosion inhibitors and anti-freeze fluids are poisonous. Use extreme care when handling. If swallowed seek medical attention.

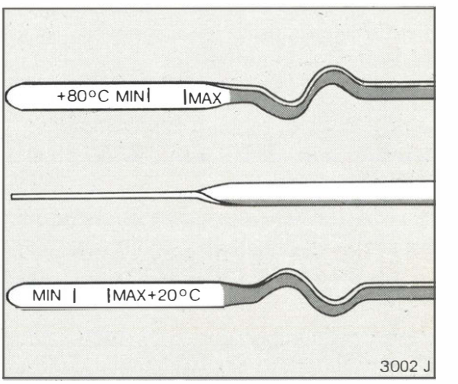
Do not remove the cooling system cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

Refer page 4-8 if engine overheats.

The automatic transmission should be checked weekly by looking at the fluid level on the transmission dipstick.

Dirt in the transmission can cause breakdowns, so be careful when checking or adding fluid. The dipstick has different markings on each side, the +20 C is used for the cold check; the +80° C is used for the hot check.





~ Use the *cold* side marks when the car has *not* been driven for a couple of hours *and* the outside air temperature is below 35° C.

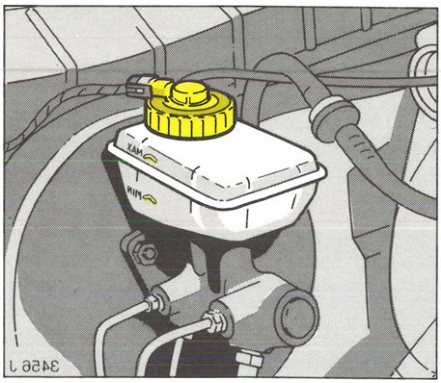
~ Use the *hot* side marks when the car has been driven for at least 20 km.

The car must be parked on level ground, the park brake applied and the selector in 'P'. Start the engine and let it idle for one minute. Leave the engine idling while you proceed to check the level. Remove the dipstick, wipe it clean with a clean non-fluffy cloth. Re-insert the dipstick as far as it will go and then withdraw the dipstick and look at the fluid level on the 'cold' side.

The level should be between the MIN and MAX marks. If fluid is required, add DEXRON ® 11 D in the same opening as the dipstick is stored in. As a guide, the level between the MIN and MAX marks represents 0.25 litres. Again check the level with the dipstick and add further fluid if necessary. Remember to replace the dipstick.

NOTE: If fluid has to be added often, you should see your Holden Dealer.

Brake fluid level



Caution: Brake fluid is poisonous and will damage the paint finish of your car if spilt.

The brake fluid in the master cylinder should be checked weekly. The master cylinder is located in the engine bay, on the driver's side of the car.

The fluid level, visible in the see through master cylinder, should be maintained between the MIN and MAX level markings.

If the fluid is between these levels do not remove the master cylinder cap. Remember that brake fluid exposed to the atmosphere will quickly absorb moisture which in turn lowers the boiling point of the fluid as well as increasing risk of corrosion of brake components.

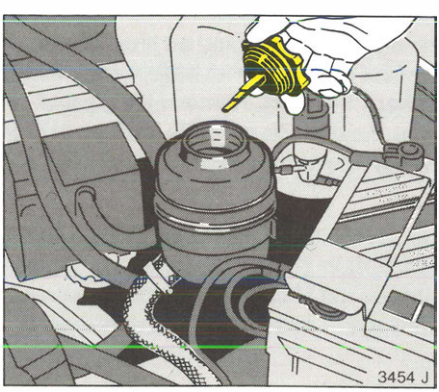
If fluid needs to be added, first clean around the cap. Top up with heavy duty brake fluid which meets SAE Specification J1703, DOT 3 or DOT 4.

Remember to secure the cap.

NOTE: Use only new brake fluid. Use of an old, used or inferior brake fluid may endanger the functioning of the brake system.

If the master cylinder requires constant topping up it could indicate that a malfunction exists and you should immediately see your Holden Dealer.

Power steering fluid level



The container for the power steering fluid is located in the engine bay, near the battery. Check the fluid level when the engine is turned off.

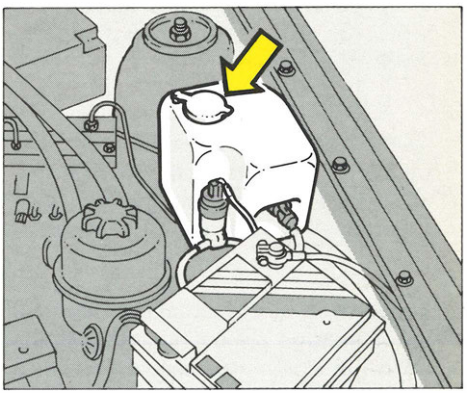
Unscrew and carefully remove the cap on top of the container. The dipstick is attached to the cap.

If the car has been driven for a while the fluid level should be at the upper level mark. When the fluid is cold the level should be at the lower mark.

If fluid needs to be added, use Dexron®11D.

Do not overfull. Remember to replace the cap tightly. If you often need to add fluid, you should see your Holden Dealer.

Washer fluid level

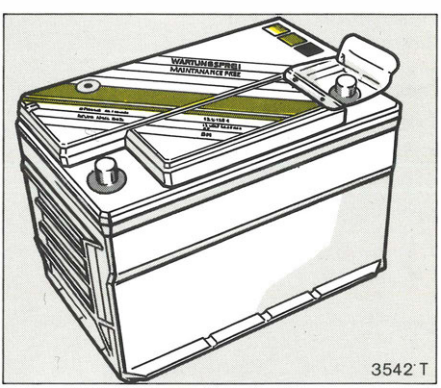


The washer fluid is constantly used, the level should be checked weekly and topped up as required.

For a crystal clear windscreen, the correct amount of Optikleen (part no M39826) can be added. Do not use ordinary soap or detergent as these not only froth up but will also damage the wiper rubbers.

Make sure the cap is secured.

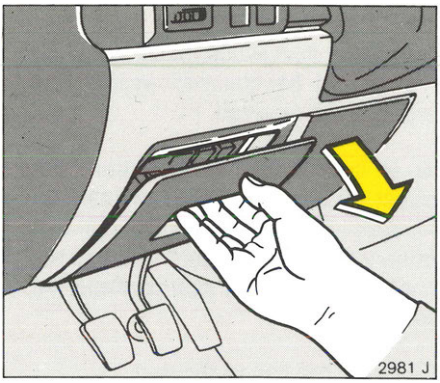
Battery



Your car is fitted with a maintenance free battery.

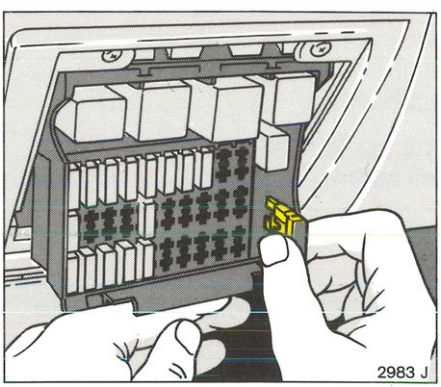
NOTE: If disconnecting the battery, first ensure that the electric windows are fully closed.

The fuses are located to the right of the steering column, under a cover. The layout for the fuses is shown on the inside of this cover.



To replace a fuse, undo the cover, pull up the rounded plastic tab (at the base of the fuse block) to disengage the fuse block, then tilt the fuse block forward.

Fuses used are of the blade type with the amperage values moulded into the head. To determine whether or not a fuse has 'blown', it is necessary to pull out the suspect fuse and examine the element in the fuse. If the element has broken, replace the fuse with one of the same value.



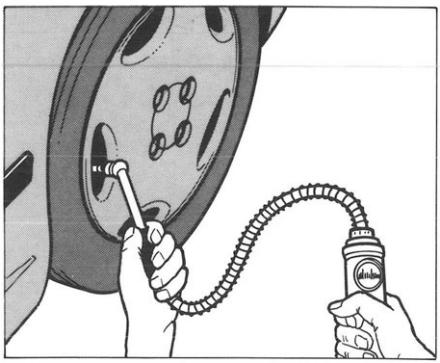
Note that you must pull the rounded tab upwards when replacing the fuse block in its original position.

If after replacing a burnt-out fuse the new fuse also burns out, an overload is indicated. The cause of the fault should be located and rectified, preferable by a Holden Dealer.

CAUTION: When replacing a fuse be sure to use a fuse of the specified amperage. Never install a wire or similar device to replace a fuse, as it could damage electrical components and may cause a fire hazard to your car.

1	10 A	Left park and left tail lamps
2	20 A	Cigarette lighter
3	10 A	Left high beam
4	30 A	Heater fan
5	10 A	Left low beam, headlight range adjustment
6	30 A	Windscreen wipers
7	15 A	Turn signals, brake lights, ABS
8	15 A	Interior light, luggage compartment light, hazard warning flasher, clock, radio
9	10A	Instrument illumination, licence place light
10	30A	Sun roof
11	20A	Fuel pump
12	10A	Electrical exterior mirror, electric windows
13	20A	Rear fog lights (if fitted)
14	10A	ABS, automatic transmission (if fitted)
15	30A	Rear window demister
16	10A	Automatic transmission (if fitted)
17	20A	Central locking
18		-
19		-
20	10A	Horn
21	10A	Right park and right tail lights
22	10A	Reverse lights
23	10A	Right high beam
24	30A	Cooling fan (or alternatively, fuse located inside engine compartment)
25	10A	Right low beam, headlight range adjustment
26		-
27		-
28		-
29		-
30	30A	Electric windows

Tyre air pressure



Checking the air pressure of your tyres (including the spare) ensures your safety, as well as reducing fuel consumption and increasing the life of your tyres.

Make sure your car will handle at it's best - check the pressures weekly. For constant long distance or rough road travelling, daily checking is recommended.

For correct pressure for your tyres, refer to the tyre placard, inside the glovebox.

Tyre inflation pressure increases when the tyres have been driven more than 2 km. The pressure should be checked when the tyres are cold (stationary for over 3 hours). If they must be checked when warm/hot, allow pressure to read 10% above that recommended.

Always use a tyre pressure gauge to check the tyres - simply looking at the tyres is not sufficient.

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blowout at high speeds.

Remember to put back any valve dust caps or extensions, if so equipped. This stops dirt and moisture from fouling the valves.

When checking the tyre air pressure, take a look at the condition of the tyre tread and inspect for stones or abnormal wear.

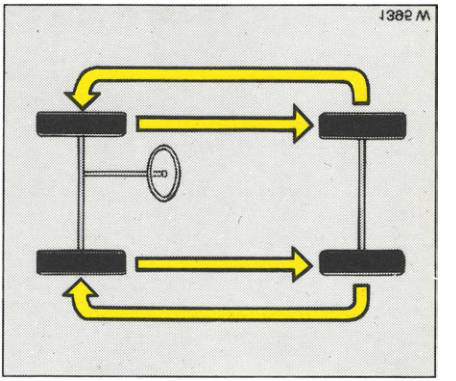
Alignment and balance

Improper wheel alignment can cause the tyres to wear faster and to wear unevenly. It can also cause the car to "pull" to the left or right.

Out-of-balance wheels and tyres can cause annoying vibration and uneven tyre wear such as cupping and flat spots.

If you have any reason to suspect that either of the above problems exists then have a wheel alignment and balance check done by your Holden Dealer.

Tyre inspection and rotation



Front and rear tyres perform different jobs and can wear differently depending on the types of roads driven, your driving habits, wheel alignment and balance, tyre pressures etc.

Tyre condition will be checked for you when you take your car to be serviced by your Holden Dealer, who will be able to diagnose any unusual signs of wear. If the tyres are rotated it is recommended that the balance be checked at the same time.

Heavy treads

Caution must be exercised when using tyres with heavy treads, including tyres designed to gain traction in bad weather conditions. At sustained high speeds, this type of tyre will run at higher temperatures than standard tyres and consequently should only be operated within the limits recommended by the manufacturer.

Any doubts concerning the fitness of the tyres on your car for the purpose you require should be referred to your Holden Dealer.

Wheel replacement

When replacing wheels for any reason, ensure that the new wheels are equivalent in diameter, rim width, offset and mounting configuration to those originally installed in your car.

NOTE: Replacing your factory fitted wheels and tyres with non specified wheels and tyres may void your warranty as well as your motor vehicle insurance policy.

Tyre traction

CAUTION: A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other material is on the road surface. Driving practises and speed should be adjusted to the road conditions.

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tyre and road surface. This phenomenon, known as hydro-planing, may cause partial or complete loss of traction, which adversely affects control and stopping ability. To reduce the possibility of traction loss, the following precautions should be observed.

1. Reduce speeds during rainstorms, when roads are slushy or if the road has standing water or puddles.
2. Replace tyres when tread wear indicators are visible.
3. Check that tyres are properly inflated.

Tyre replacement and repair

CAUTION: Do not mix different tyre construction types, such as radial and cross ply, on your car except in emergencies, because your car's handling could be affected and may result in loss of control.

When replacing tyres you should use the same size, load rating and construction type as the original tyres on your car. Refer to tyre placard on your car for tyre size and load rating. Using a different size or type of tyre may affect such things as ride, handling, speedometer/odometer calibration, ground clearance and tyre clearance to the body or chassis.

Tyres with a higher speed rating and/or maximum load rating in excess of that listed are also acceptable as replacements provided they are fitted to a suitable rim size.

New tyres should be fitted in pairs to the front. If replacing only one tyre, it should be paired on the same axle with the least worn of the other three.

You should replace your tyres when:

1. The tyres are worn to the point where the tread indicators appear, or the cord or fabric is showing.
2. The tread or sidewall is cut, split, or cracked deep enough to expose the cord or fabric.
3. The tyre has a bump or bulge in it, indicating some kind of internal damage.
4. The tyre has a puncture, cut or other damage which can't be repaired because of the size or location of the damage.

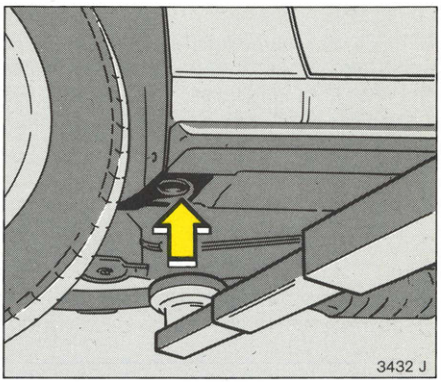
If in doubt about the extent of damage to the tyre, have it removed from the wheel and examined by a tyre specialist.

If a pressure loss occurs while driving, do not attempt to drive on the deflated tyre more than is necessary to stop safely. Driving even a short distance on a deflated tyre can damage it and the wheel beyond repair.

When an object which has punctured the tyre is removed, repairs are to be made in accordance with the tyre manufacture's recommendations.

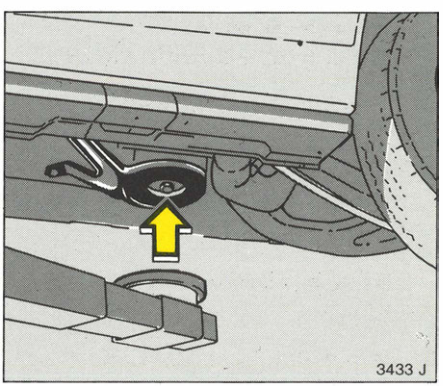
CAUTION: Tyres which have been repaired or retreaded will not be able to be operated safely at high speeds. Therefore, their use is not recommended.

You should always use the jack locations shown on page 4-6 when using the original jack supplied with your car. This jack has been designed to correctly and safely lift your car. Also note the precautions on page 4-5, prior to lifting.



However, if using a trolley jack or hoist to raise the car, it is important that the jack be positioned as shown.

When using lifting or jacking equipment with metal jaws, use a rubber pad to avoid damaging the car.



When replacing a bulb, turn off the respective switch.

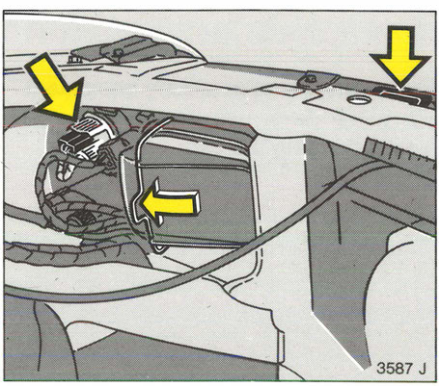
Do not touch bulbs with bare hands. Greasy fingers will cause stains which evaporate, eventually resulting in a dull light. Grease spots on Halogen bulbs will, within a short time lead to bulb failures. Inadvertently stained bulbs may be cleaned with tissue paper, or a clean, non-fuzzy cloth, using alcohol or white spirits.

When replacing bulbs do not exceed the wattage given on the bulb base.

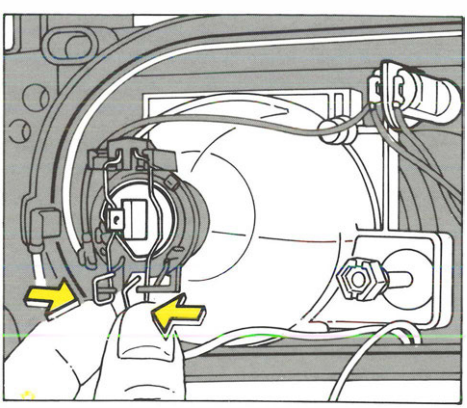
Detailed procedures for headlight aiming are given in the relevant service manual for your car. However, because headlight aiming is a safety item it is recommended that you have it carried out by your Holden Dealer.

Do not exceed the wattage given on the bulb base.

In fig 3587 J the left arrow points to the turn signal and the right arrow points to the high beam. The centre arrow points to the head lamp protective cover, behind which are the parking light and the headlight low beam.

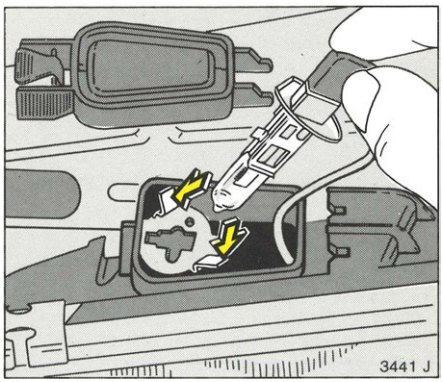


Headlamp low beam



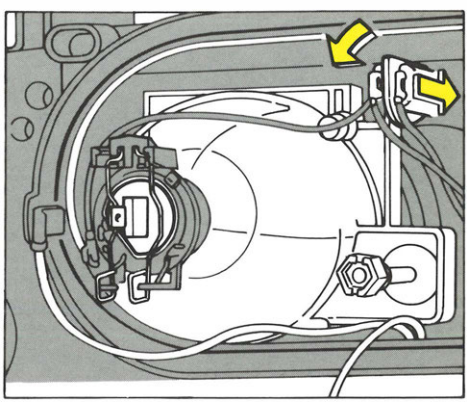
1. Open bonnet and engage support.
2. Disengage wire clip of headlamp protective cover by moving outwards. Remove cover.
3. Detach wire from bulb base.
4. Press together retaining clip beneath bulb holder and swivel upwards.
5. Remove bulb. Insert new bulb such that fixing lugs on bulb holder engage in reflector.
6. Engage retaining clip by moving outwards, attach wire to bulb base, place protective cover in position, close cover and engage wire clip.

Headlamp high beam



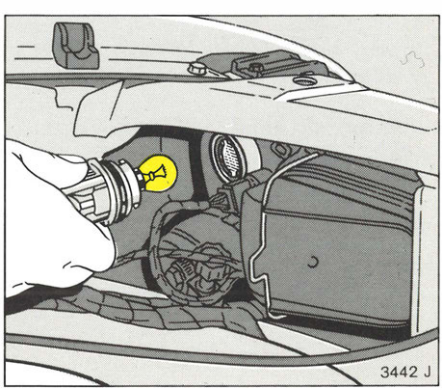
1. Open bonnet and engage support.
2. Press button, swivel protective cover upwards and remove cover.
3. Press both retaining sprints on bulb socket outwards.
4. Remove bulb from holder and detach wire from bulb base.
5. Insert new bulb such that fixing lugs on bulb holder engage in reflector.
6. Press bulb holder between retaining springs until they engage.
7. Place protective cover in position and engage.

Parking lights



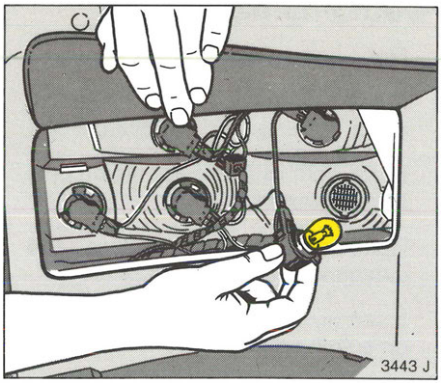
1. Open bonnet and engage support.
2. Disengage wire clip of headlight protective cover by moving outwards. Remove cover.
3. Press parking light bulb holder into bulb housing, turn anti-clockwise and remove. Insert new bulb.
4. Re-insert holder and turn it clockwise until it engages.

Front turn signal lights



1. Open bonnet and engage support.
2. Disengage bulb holder from turn signal lamp reflector by turning anti-clockwise.
3. Remove bulb from holder.
4. Insert new bulb and engage holder again by turning clockwise.

Rear combination lights



Bulb sequence; top from outside to inside:

Turn signal light

Reverse Light

Bulb sequence; bottom from outside to inside:

Brake light and tail light

Tail light

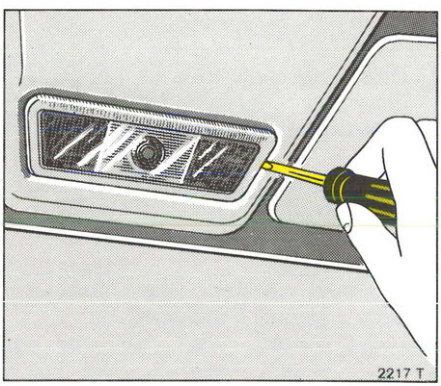
1. Lift cover
2. Disengage bulb bolder by turning
3. Remove bulb from holder by pressing and turning
4. Insert new bulb and engage holder
5. Close cover

Interior light

Before removing the interior light, close the doors so that the light is not live.

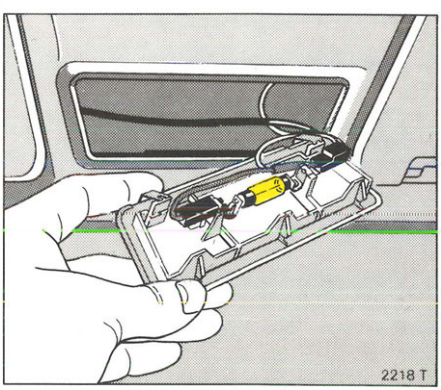
1. Prise lens out of recess, using a screwdriver.

   Be careful not to damage headlining.



2. Press bulb slightly towards spring clip and remove.

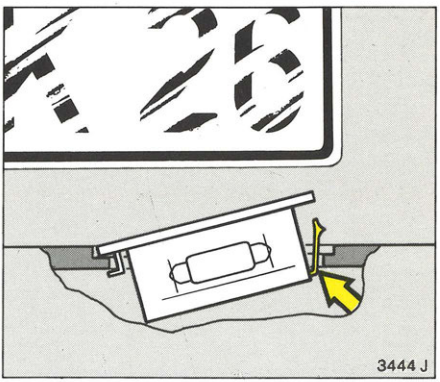
   On reading lamp, pull out holder at switch button and remove bulb.



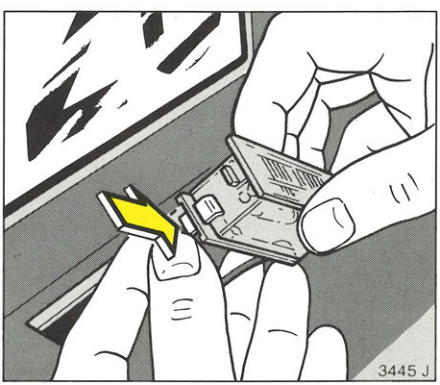
3. Insert new bulb.

Licence place light

1. From inner side of bumper: press spring clip and lift out light housing.



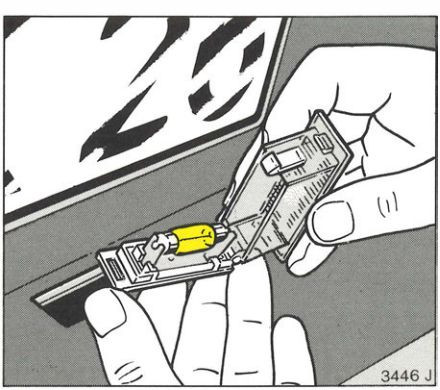
2. Depress protruding lug.



and remove bulb base from housing.

3. Remove bulb from holder

4. Insert new bulb



High mounted stop lamp

To replace the bulb, interior hatch trim needs to be removed with a special tool. Therefore, it is recommended that the work be carried out by your Holden Dealer, or to refer to the relevant Service Manual.

Chapter 7

Towing & Loading

Page

7-2 Loading the car

7-3 Towing

7-3 Safe towing tips

Kerb weight

The kerb weight is the weight of a standard unloaded car with a full tank of fuel. The kerb weight for your car is:

manual transmission: 1245 kg

automatic transmission: 1255 kg

Tow bar ball load

The tow bar ball load is the weight on the tow bar ball when the packed caravan (or trailer) is hitched.

Ideally, the ball load should be 4% for caravan/ trailers weighing up to 625 kg and at least 25 kg for caravan/trailers weighing over 625 kg. The tow bar ball load should never exceed 75 kg. Tow bar ball load can be adjusted by correctly packing the contents of the caravan.

If the ball load is too light or too heavy, the steering and handling of the car will be greatly impaired.

When towing, the weight of the ball load must be included when determining both the maximum rear axle load and the G.V.M. It should be treated as luggage.

(G.V.W.) Gross vehicle Weight

The gross vehicle weight is the maximum amount that a car is allowed to weigh when fully loaded. This must include luggage, roof rack load, goods, passengers, a full tank of fuel and tow bar ball load. The maximum, allowable weight is shown on the Weight Plate, which is attached to your car, near the radiator. Refer page 9-5 for exact location.

Maximum rear axle load

The maximum allowable rear axle load for your car is 880 kg.

Remember to take the tow bar ball load into account when determining the rear axle load.

Payload

The payload is the amount the car is allowed to carry. It represents the difference between the G.V.M. and kerb weight. The payload for your car is 440 kg for automatic transmissions and 450 kg for manual transmissions.

Roof rack loads

No increase in G.V.M. is allowable where a roof rack is fitted. It must be understood that roof rack loads alter the handling characteristics of a car due to a change in the centre of gravity. When carrying loads on the roof rack avoid abrupt swerving or sharp steering. The load should be evenly distributed. A load of no more than 100 kg is recommended. Mounting is provided in the roof for special roof racks.

Your car is designed primarily as a passenger car, so handling, durability and economy may be affected by towing a caravan or trailer. Before attempting any towing, ensure that the correct equipment is fitted. Your Holden Dealer will help supply and install towing equipment to suit your requirements.

Note: Holden's towing equipment is recommended where it is available. Where it is not available, no recommendation is made as to the make of equipment which should be used. Holden's will not accept liability for defects occurring in towing equipment not marketed by Holden's or for defects in the car arising from the use of such equipment.

The maximum allowable caravan/trailer weight your car is permitted to tow is 1,200 kg.

Remember that the weight of the caravan on the tow bar (tow bar ball load) must be included when working out the G.V.M. or rear axle loads (see previous page). It should be included as a weight just the same as luggage.

Safe towing tips

Your car will handle differently when towing. It's a good idea to make a couple of short distance trips with the caravan or trailer before you set off on the big one.

Have your car correctly maintained and serviced.

Have your caravan or trailer maintained and serviced, with particular attention given to condition of brakes, tyres, suspension, wheel bearings, towing coupling and lighting.

You should have an extended-arm mirror on both sides of your car.

Headlights may need re-aiming after the loaded caravan has been hitched.

Use a lower gear, rather than your brakes when descending steep hills.

If your caravan or trailer moves off the road behind you, allow the left wheels of your car to move off as well. When it is safe to do so, carefully steer back on to the road. A sudden attempt to steer back could make you swerve dangerously.

Loads should be secured so that they cannot slip and placed in the centre of the caravan/trailer if possible, i.e. above the axle.

Before connecting the trailer/caravan, lubricate the ball of the tow bar.

Do not drive faster that 80 km/h if possible.

To aid engine cooling when driving up hills, do not downshift to a lower gear if the car can still climb the hill in the higher gear.

When descending hills you should select the same gear as you would driving uphill and drive at roughly the same speed. With automatic transmissions engage drive range 3, 2, or 1. Return to drive range D as soon as conditions permit.

If starting on a hill with a manual transmission, it is advisable to have the engine revs between 2,000 and 3,000 r.p.m.

When towing, your tyres should be inflated to the maximum recommended pressure. Refer to the tyre placard under the bonnet, on the radiator support panel.

Do not use axle-mounted hitches. They can cause damage to the axle housing, wheel bearings, wheels and tyres.

Trailer brakes are required on trailers over 500 kg loaded weight (except where State Laws may specify a lower limit). Some States specify that the load being towed must not exceed the weight of the car.

The brakes on the trailer or caravan must be designed to cope with the braking requirements of that trailer or caravan under all towing conditions, without adversely affecting the brakes on the car.

Whenever a tow bar is removed, be certain to have any mounting holes in the underbody properly sealed to prevent the possible entry of exhaust fumes, dust and water.

Ensure that the tow bar does not obscure the rear licence plate. If necessary, remove the tow bar tongue when it is not required for towing.

Chapter 8

Cleaning

Page

INTERIOR CLEANING

8-2 Upholstery
8-2 Vinyl (P.V.C.) fabrics
8-3 Cloth fabrics
8-3 Carpet
8-3 Seat belts
8-3 Interior glass

EXTERIOR CLEANING

8-4 Washing
8-5 Removing grease, oil & tar spots
8-5 Polishing
8-5 Paintwork inspection
8-5 Wheels
6-6 Tyres
8-6 Exterior glass
8-7 List of appearance care & maintenance materials

CAUTION: Many cleaners may be toxic, flammable or may damage the interior. When cleaning the interior, avoid volatile cleaners such as: acetone, lacquer thinners, enamel reducers, nail polish removers, or cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, gasoline or naphtha for any cleaning purpose.

Be sure the car is well ventilated while using any cleaners and always follow the cleaning manufacturer's recommendations.

Care and cleaning of upholstery

Dust and dirt which accumulate on upholstery should be removed every few weeks - more often with constant driving. This can be done readily with a vacuum cleaner. Before attempting to remove spots and stains, it is necessary to determine as accurately as possible:

- The type of fabric.
- The nature and age of the stain.
- The effect of the stain removal agent upon the colour, structure and general appearance of the upholstery.

It is essential that stains be removed as soon as possible after they have been made. If they are allowed to remain on the fabric for any length of time they very often become oxidised or set, and removal becomes difficult, if not impossible.

The use of Holden's spot and stain remover will assist in the above, refer chart at the end of this chapter.

Cleaning P.V.C. coated fabrics

Vinyl (P.V.C.) coated fabrics are used for seating, headlinings and auxiliary trimming. The grades used vary according to their function. P.V.C. fabrics are generally made by coating fabric with synthetic resins. Care of P.V.C. fabrics is a relatively simple but important matter. The surface should be wiped over with a dry cloth during the regular cleaning of the car.

Should dirt accumulate and become embedded in the material pattern, the following procedure is recommended.

1. Using luke warm water and soap, or Holden's Velour Fabric and Vinyl Cleaner, work up thick suds on a piece of cheesecloth, and apply to the surface. A soft bristle brush can be used to remove stubborn stains or dirt embedded in the grain of the material.
2. Repeat using only a damp cloth and no soap.
3. Wipe dry with a soft cloth.

The above cleaning instructions also apply to the rubber floor mats.

Cleaning cloth trim

Where the seats in your car are upholstered with cloth, the following instructions should be observed.

- Most loose dirt and dust can be removed by a vacuum cleaner or soft brush.
- DO NOT use a whisk broom or a coarse hair brush.
- If normal soiling should take place it is recommended that the fabric be sponged lightly with warm water containing a detergent and a small amount of ammonia. The fabric should then be rubbed lightly, and if necessary, sponged again to remove anything stubborn. Soak up excess fluid with a dry cloth. Holden's Velour Fabric and Vinyl Cleaner may be used to advantage, but should be used sparingly.

Cleaning carpet

Thoroughly brush or vacuum the carpet. In many instances the carpet may require no further cleaning. If the carpet is extremely soiled, thoroughly vacuum it to remove loose dirt then, using Holden's Velour Fabric and Vinyl Cleaner, clean approximately one square foot at a time. After each area is cleaned, remove as much of the cleaner as possible with a vacuum cleaner. After cleaning the carpet, use an air hose to fluff the carpet pile, then dry the carpet. After the carpet is completely dried, use an air hose to again fluff the carpet pile.

Cleaning seat belts

Cleaning of seat belts can be carried out by using a mild non-abrasive soap and luke warm water. After washing be sure to thoroughly sponge the washing solution out of the belts.

CAUTION: Do not bleach or dye seat belts since this may severely weaken them.

Cleaning interior glass

The interior glass area of the car should be cleaned using Holden's Glass Cleaner with a clean soft cloth. Care must be taken when cleaning inside the rear window so as not to damage the demister.

Never use abrasive cleaners on any car glass, as they may cause scratches.

CAUTION: Care should be taken when moving the car after washing, in case water has affected the brakes. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with an clear area ahead, until brake performance returns to normal.

Underbody cleaning

The effects of salts and other corrosive materials from road surfaces can result in accelerated rusting and deterioration of the underbody parts, such as brake and fuel lines, frame, underbody floor pan, exhaust system, brackets and park brake cables. These corrosive effects, however, can be reduced by periodic hosing of the underbody with plain water whenever the car is being washed. In geographical areas having a heavy concentration of corrosive materials it is recommended that the complete underbody be inspected and washed at least once each year, preferably after a winter's exposure. Particular attention should be given to cleaning out underbody members where dirt and other foreign materials may have collected.

Washing paintwork

The finish on your car will stay bright and new looking for years with little or no polishing, provided it is given a reasonable amount of regular washing to keep off road grime.

Washing not only removes dirt and road grime that settles on the car, but also dilutes acids which accompany such grime, in particular, salt from air or sea spray encountered in coastal areas which often become trapped in crevices. Tree sap, road tar, excretion from insects and industrial fall out often contain harmful chemicals and other foreign matter that may permanently damage the paint finish of the car. These should be removed without delay, using an effective removal agent.

Regular washing

If the car is in continuous use, it should be washed at least once a week with either cold or warm water (preferably running water), using clean chamois leathers, sponges or rags free from dirt or grit likely to scratch the paint finish. It is good practice to first hose the car to remove as much of the grit and grime as possible before swabbing the surface.

Do not wash the car under bright sunlight on hot days, as this will result in a streaky or spotted paint finish. This is caused by refraction of sunlight through the water drops (just like a magnifying glass) which concentrates the sunlight, producing very high temperatures on the paint surface. For the same reason, you should thoroughly dry the car after washing.

Holden's Foaming Car Wash or Wash On Shine loosens road grime to make washing easier and leaves paint shining clean, refer chart at the end of this chapter.

Do not use hot water, strong soap or chemical detergents. Any cleaner should be flushed promptly from the surface and not allowed to dry on the finish.

Removing grease, oil and tar spots

Grease and oil, and even tar if it's fresh, can be removed from the finish with a little kerosene or turpentine. As a precaution against staining, wash and polish as soon as possible the area from which the foreign matter has been removed.

Warnings

- Some chemical cleaners used for removing road oils and tars from painted surfaces have been found to be detrimental to car paints. When purchasing a cleaner, polish or wax ensure that it can be safely used on an car paint.
- If petrol is spilt on the paint when refilling, flush off immediately with clean water, as petrol has a tendency to stain or soften new paint finish during the weathering out period, particularly when the car is exposed to high temperatures.
- Petrol MUST NOT be used to clean any painted or plastic surfaces.

Insect spots

Insect spots on the paint finished parts of the car can be easily washed off by using a solution containing 1 litre of water in which approximately 110 grams of baking soda (Bicarbonate of Soda) has been dissolved. Flush the washed parts with clean water.

Polishing

You may wish to polish your car to provide maximum protection against road dirt and industrial fall out etc. Also, the application of a polish may be required to remove foreign matter which is not normally removed by washing. Over a period of time, such foreign matter may build up on the paint surface, to the detriment of its overall appearance.

DO NOT ATTEMPT TO APPLY A POLISH WITHOUT FIRST WASHING TO REMOVE LOOSE GRIT, SURFACE DIRT, DUST OR GREASE ETC.

Painted plastic bumpers or body side mouldings may be cleaned and polished according to the instructions given above for the paintwork.

Paintwork inspection

Regular inspection of the car should be made for scratch marks, cracks or damaged areas, all of which could develop rust and thus affect paint finish. Any deep scratches, cracks or break-down in the finish should be repaired without delay. Care should be taken to ensure that any rusting is counteracted immediately, otherwise rust "creep" will extend beyond the damaged area. This applies particularly in sub-tropical areas or coastal districts, where the moist, or salt-laden atmosphere accelerates rusting if it is allowed to develop through neglect. The paint finish of the car gives a very high degree of protection against the weather, but is should be realised that wear and deterioration occur when the car is exposed to elements for prolonged periods. The car therefore should be garaged whenever possible.

Alloy wheels

To preserve the original appearance of alloy wheels, keep them clean and free from build up of road dirt. Holden's Wheel Cleaner can be used for cleaning all alloy wheels. Do not use abrasive cleaners on highly polished alloy wheels as they could damage the protective coating.

Tyres

Sponging with cold water is all that is necessary for normal cleaning of the tyres. Oil and grease can, and should be removed with soap and water or detergent. For tar or other substances, a mild abrasive, such as mechanic's hand soap or kitchen cleaning powder, may be used if necessary. Thoroughly wash the tyres with water to finish. Petrol must not be used for cleaning tyres.

New tyre look can be restored using Holden's Tyre and Bumper Shine, refer chart at the end of this chapter.

Glass cleaning - general

Special care should be taken to avoid scratching the glass when cleaning. If it is cleaned at the same time as the rest of the car, there is a possibility that particles of grit will cause fine scratches. Flush off any heavy mud deposits on the glass when washing the body, but leave the final cleaning and polishing until afterwards. Use Holden's Glass Cleaner and wash each section of glass in turn, making sure that the water, its container and the sponge are quite clean and free from grit. Clean old linen cloth is better than new material for polishing glass.

Windscreen

It is important that the windscreen be kept clean so that the wiper blades may be as effective as possible in wiping the surface. Old wiper blades can cause windscreen scratching and therefore should be inspected regularly and replaced as necessary.

Abrasive materials must never be used to clean glass as they can cause scratches. A scratched windscreen will impair vision, particularly at night. After the windscreen has been cleaned with a wet sponge it should be wiped over with a soft lint free cloth or chamois.

It is recommended that Holden's Optikleen be added to the windscreen washer reservoir to assist the wipers in keeping the windscreen clean whilst driving.

Wiper blades

Oil and road scum thrown up onto the windscreen will cause smearing when the wipers are switched on, as dirt then transfers onto the wiper blades. Many owners, whilst they methodically clean the windscreen glass, omit to clean the wiper blades and consequently smearing of the glass re-appears immediately the wiper blades are set in motion. The blades can be cleaned by simply lifting them off the windscreen glass and cleaning with Holden's Optikleen and a clean cloth.

DO NOT OPERATE THE WIPER BLADES BY HAND AS THIS MAY DAMAGE THE WIPER DRIVE MECHANISM.

If in dry conditions, the wiper blades are used to clean dust and dirt from the windscreen always use the washer system first to wet the windscreen. Ensure that the windscreen washer reservoir is not empty.

Should the wiper blades be frozen to the windscreen, they must be lifted off and freed by hand before switching on the wipers.

HOLDEN'S PART NO.	SIZE	DESCRIPTION	USAGE
M37432	390 x 370 mm	Synthetic Chamois	Absorbs water and cleans paint and glass surfaces.
M39828	500 ml	Polymer Glaze Polish	Seals in a deep, lustrous, glazed finish. Long life protection from from oxidation, salt and weather damage.
M39829	500 ml	Easy Gloss Polish	Contains silicones and hard working waxes for extra shine.
M39846	250 g	Deep Shine Glaze Polish	Contains Carnuba wax for a mirror finish.
M39833	250 g	Cutting Polish	Removes oxidised paint and built-up road grime, leaving a smooth surface to apply polish
M39830	500 ml	Wash on Shine	Contains polymer protectants to shine. Adds a protective film to paintwork.
M39831	500 ml	Foaming Car Wash	Leaves a no-streak finish.
M38424	400 g	Velour Fabric and Vinyl Cleaner	Cleans and deodorises velour, most fabric and vinyl upholstery, hood linings, mats and carpets.
M40383	350 g	Tyre and Bumper Shine	Restores tyres and bumpers to as new finish.
M39169	250 ml	Spot and Stain Remover	Removes spots and stains from carpet, velour, vinyl and most fabrics.
M38695	250 ml	Glass Cleaner	Cleans all glass surfaces.
M39826	500 ml	Optikleen	Windscreen washer solvent.
M39168	125 ml	Car Freshener/ Deodorant	Removes smells, tobacco and other odors.

HOLDEN'S PART NO.	SIZE	DESCRIPTION	USAGE
M39760	350 g	Spray Grease	Lithium based grease in a can. Sprays as a liquid. Ideal for springs, cables, linkages etc.
M40276	750 ml	Wheel Cleaner	Cleaning of all wheels, including alloy wheels.
1050002	470 ml	Top Engine Cleaner	Purges gum, carbon, varnish and sludge from internal parts.
92026651	500 ml	Brake Fluid	Extra heavy duty brake fluid.
M40236	1 litre	Radiator coolant/ inhibitor	Inhibitor providing year-round protection against corrosion and rust. Anti-freeze lowers freezing point for the cold winter months. Coolant increases boiling point of the cooling system for the summer months.
M40307	5 litres	"	
M40238	20 litres	"	
M39304	500 ml	Radiator Cleaner	Use prior to or replacing coolant.
M37223	400 g	Degreaser	Removes oil and grease from engines.
M40235	300 g	AC-4	- dispenses moisture on wet motors and electrical parts. - Penetrates and loosens rusted or seized parts. - Lubricates and protects against corrosion. - Inhibits corrosion on battery terminals.
M33028	27g	Solid Oil	Lubricant for locking mechanisms, door hinges, sticking windows.

Chapter 9

Specifications

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9-2 Engine specifications

9-3 Transmission specifications

9-3 Steering specifications

9-3 Brake specifications

9-3 Dimensions

9-4 Emission control

9-5 Identification labels

Engine code	C20 XE	C20 NE
Engine description	2.0 litre, 4 valve double overhead cam	2.0 litre, 2 valve single overhead cam
Piston displacement	1998 cm^3	1998 cm^3
No of cylinders	4	4
Firing order	1, 3, 4, 2	1, 3, 4, 2
Bore	86.0 mm	86.0 mm
Stroke	86.0 mm	86.0 mm
Max power	110 kW @ 6,000 rpm	85 kW @ 5,200 rpm
Torque	196 Nm @ 4,600 rpm	170 Nm @ 2,600 rpm
Compression ratio	10.5: 1	9.2: 1
Oil specification	Service classification SF or SG. Viscosity grade 20W/40, for normal use. For prolonged use in snow areas, the use of 15W/40 is recommended.	
Refill oil capacity	4.5 litres with filter	4.0 litres with filter
Coolant specification	50% water and 50% long life coolant conforming to Holden's Specification no HN 2043, part no M40236 (1 litre) or M40307 (5 litres).	
Coolant capacity	7.2 litres	7.2 litres
Spark plug type	Bosch FR 7 DC	Bosch WR 7 DC
Spark plug gap	0.7 to 0.8 mm	0.7 to 0.8 mm

NOTE: Non-detergent and other low quality oils are specifically not recommended. The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended; their use will not only increase operating costs, but may be detrimental to the operation of your car.

NOTE: Engine tune-up data, including spark plug gap and idle speed will be found on the Emission Label, on the underside of the bonnet.

Transmission

		5 speed manual	4 speed auto
Ratios	first: 1	3.55	3.672
	second: 1	2.16	2.098
	third: 1	1.48	1.391
	fourth: 1	1.13	1.000
	fifth: 1	0.89	-
	reverse: 1	3.33	4.022
Final drive ratio: 1		3.55: 1	2.40: 1
Refill oil capacity		1.9 litres	3 to 3.5 litres
Fluid specification		Gear oil 80 W GL4 to GMH spec. HN 1820, HN 1855 or equivalent	Dexron ® IID

Steering

Ratio: 1	18
Fluid Specification	Dexron ® IID
Description	Rack and pinion, power steering

Brakes

Description	Anti-lock Brake System (ABS). 4 wheel disc, incorporating park brake acting on rear wheels. Non asbestos pads.
Fluid Specification	Heavy duty brake fluid. Dot 3 / Dot 4 / SAE Specification J1703

Dimensions

Length	4492 mm
Width (including mirrors)	1906 mm
Height	1320 mm
Wheelbase	2600 mm
Front tread	1426 mm
Rear tread	1446 mm
Front overhang	938 mm
Rear overhang	954 mm

Your car is fitted with emission control systems which are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. Hydrocarbons and oxides of nitrogen, when exposed to sunlight under certain conditions, produce photochemical smog. In addition, carbon monoxide is toxic when it becomes highly concentrated in the air. The three major emission control systems fitted to your car are:

1. **Evaporative Emission Control System** This system is designed to prevent the escape of fuel vapour from the fuel system and recycle them through the normal combustion process.
2. **Crankcase Emission Control System** This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.
3. **Exhaust Emission Control System** The various components of this system operate collectively to limit HC, CO and NOx emissions in the exhaust gas. The exhaust Emission Control System is comprised of components including electronic control of spark, fuel and idle speed and catalytic converter.

For detailed information on the operation, servicing and repair procedures for these systems, refer to the appropriate service manual for your car. Also refer to the emission label inside the engine compartment of your car.

Owner responsibility

Cars sold and serviced within Australia have been designed to comply with Australian Design Rules and State Regulation emission requirements.

To ensure that these components achieve their purpose of controlling the emission of pollutants to the atmosphere, the engine or exhaust system of your car must NOT be modified in any way. Any departure from the Manufacturer's design specifications may increase the emissions or otherwise defeat the intent of the regulations.

ANY PERSON WHO REMOVES, MODIFIES OR OTHERWISE RENDERS INEFFECTIVE ANY EMISSION CONTROL COMPONENTS FITTED TO A CAR WILL BE CONTRAVENING THE RELEVANT REGULATIONS. ANY PERSON WHO OWNS AND OR OPERATES SUCH A CAR COULD ALSO BE GUILTY OF AN OFFENCE UNDER THE REGULATIONS.

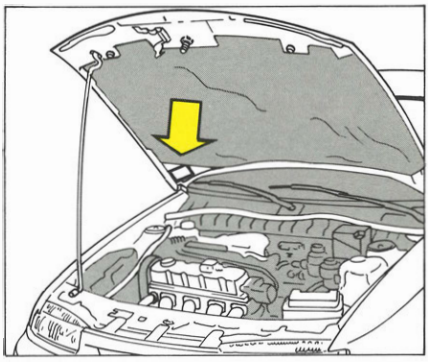
Maintenance requirements

To ensure continuing compliance with the regulations it will be necessary for you to maintain your car's emission control system in accordance with the instructions given in the Holden's Maintenance Plan (refer Chapter 10) and the relevant Service Manuals.

It is recommended that the necessary servicing be performed by an authorised Holden Dealer who has the specialised servicing equipment and trained personnel available to ensure that the adjustments and services specified are carried out.

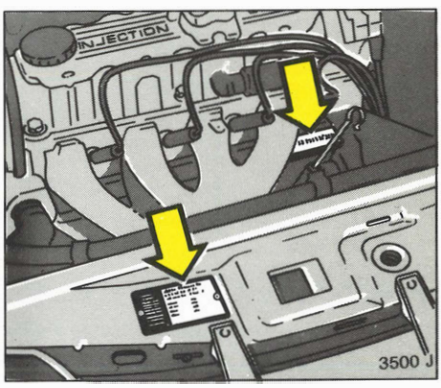
Emission Label

The emission label is located on the underside of the bonnet.



Engine number

Individual engine numbers are stamped onto every engine. You will find the engine number located near the engine oil dipstick.



Weight plate

The vehicle Weight Plate is located on the radiator support panel, as illustrated.

Body and Option Identification Plate

The Body and Option Identification plate is also located on the radiator support panel. Included on this plate is the built date of your car. The built date is defined as "the date of manufacture" by calendar month and year in which the body shell and power train sub-assemblies are co-joined and the vehicle is driven or moved from the production line.

Safety Compliance Plate

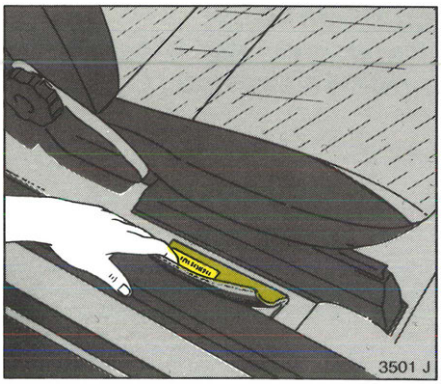
The Safety compliance plate is located inside the engine compartment, on the driver's side strut tower.

Tyre placard

The tyre placard is located inside the glovebox.

I.S.O.V.I.N.

The I.S.O.V.I.N. is stamped onto the floor, next to the driver's seat, e.g.



W O L 0 0 0 0 8 5 L 1 1 2 3 4 5 6

- W O L — World Manufacturer Identifier, WOL=Opel
- 0 0 0 0 — 4 zero blanks
- 8 5 — Calibra, code=85
- L — Model year L=1990, M='91, N='92
- 1 — Plant code
- 1 2 3 4 5 6 — Sequential Production Serial Number

Holden Identification Plate

The Holden Identification plate is located on the passengers side strut tower. This 12 character number should be used when identifying the car, rather than the I.S.O.V.I.N. plate.

Chapter 10

Service/Maintenance Schedule

Page

10-2 When to Have the Service Carried out

10-3 Extreme Operating Conditions

10-4 Maintenance Schedule

10-6 Suggested Times for Each Service

10-7 Beginning of Maintenance Coupons

10-35 Notice of Name/ Address/ Ownership Change

When it comes to service, remember that your Holden Dealer has the trained personnel and specialised equipment to correctly service your vehicle. Your Dealer invites you to return for all your service needs both during and after the warranty period.

The safety, economy, emission control, performance and reliability of your vehicle cannot be assured unless regular maintenance is performed, preferably by factory-trained technicians.

Therefore, it is in the owner's interest that the following services are performed at the specified Distance or Years (whichever occurs first).

#	15,000 km	- 1	year
#	30,000 km	- 2	years
#	45,000 km	- 3	years
#	60,000 km	- 4	years
#	75,000 km	- 5	years
#	90,000 km	- 6	years
#	105,000 km	- 7	years
#	120,000 km	- 8	years
#	135,000 km	- 9	years
#	150,000 km	- 10	years
#	165,000 km	- 11	years
#	180,000 km	- 12	years
#	195,000 km	- 13	years
#	210,000 km	- 14	years

The services shown in this schedule between 15,000 km and 210,000 km are to be performed after 210,000 km at the same intervals.

NOTE: All maintenance services as listed in this handbook and replacement of service items are the responsibility of the owner and as such are NOT considered, under the provisions of the new vehicle warranty to be rectification of defective material and workmanship. Items such as wheel alignment, necessary adjustments to the transmission, clutch, parking brake, etc. or any other items which may require servicing due to fair wear and tear will be carried out at the owner's cost.

Failure to have proper maintenance services carries out by an Authorised Holden Dealer or Service Dealer may void your new Vehicle Warranty. It is strongly recommended that you read the "New Vehicle Warranty" on page 5-2, so that you are conversant with your entitlements.

As each service is performed and the coupon removed, the following service coupon is readily visible to remind you when the next service is due.

After the service is completed, the owner should see that the Validation Record is stamped and signed by the Dealer. This is important as it will not only assist in the determination of Warranty Claims, but enhance the value of the vehicle whenever resale is contemplated.

If your vehicle operates under any of the extreme conditions listed in the following table it is recommended that some items be serviced more frequently than the intervals specified in the Maintenance Plan.

NOTE: The extra services listed below need only be used continuously if your vehicle operates continuously under the conditions specified.

If you operate under any of these conditions on a one off basis e.g. holiday trip, then an extra service should be for that period only.

As a guide, if you operate continually for a period of one month or 1,500 kilometres under any of the extreme conditions, then this could qualify for additional services.

If at any time it is considered that the above items or other items should be more frequently serviced due to the type of operation or before a long trip, discuss the situation with the service manager of your Holden Dealer.

	Short distance with frequent cold starts	Mainly city or short distance driving
Change engine oil and oil filter	✔	✔

Use odometer reading or months, whichever occurs first	Years	1	2	3	4	5	6	7
	x 1,000 km	15	30	45	60	75	90	105

Engine compartment

Air cleaner paper element replace	2		4		6		
Ignition timing - check (Single OHC engine only)	1	2	3	4	5	6	7
Spark plugs - check, replace if necessary	2		4		6		
Cogged belt - check condition, check tension with gauge, adjust (Single OHC engines only)				4			
Cogged belt - replace (Double OHC engine only)							7
Engine idling speed- check, adjust	1	2	3	4	5	6	7
Exhaust emissions - check	1	2	3	4	5	6	7
Fuel filter - replace	2		4		6		
Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection	1	2	3	4	5	6	7
Drive belts - check condition, check adjust tension using gauge	1	2	3	4	5	6	7
Brake fluid - change	1	2	3	4	5	6	7
Air conditioning system - check hoses and lines for proper routing and condition. Ensure condenser is clear of leaves or debris	2		4		6		
Throttle control linkage - check for free movement If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.	1	2	3	4	5	6	7
Coolant- check level, check coolant %	1	2	3	4	5	6	7

Lubricants

Engine oil and filter - change	1	2	3	4	5	6	7
Power steering fluid level - check, correct	2		4		6		
Automatic transmission fluid level - check, correct	1	2	3		5	6	7
Manual transmission oil level - check, correct	2		4		6		
Automatic transmission fluid - change				4			
Engine, transmission - check visually for leaks	1	2	3	4	5	6	7

Use odometer reading or months, whichever occurs first	Years	1	2	3	4	5	6	7
	x 1,000 km	15	30	45	60	75	90	105

Body interior

Lights and signalling devices (internal and external) check	1	2	3	4	5	6	7
Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition	1	2	3	4	5	6	7
Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism	1	2	3	4	5	6	7
Headlight aiming - check	1	2	3	4	5	6	7
Body/underbody corrosion protection - visually check body paint and underbody protection for damage	1	2	3	4	5	6	7

Chassis underbody

Front/rear wheel disc brakes - remove wheels mark rim to hub position) and visually check pad thickness	1	2	3	4	5	6	7
Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides.	1	2	3	4	5	6	7
Exhaust system - check condition, tightness and routing, also check condition of rubber mounts	1	2	3	4	5	6	7
Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check	1	2	3	4	5	6	7
Wheel nut torque, tyre condition, inflation pressure - check, correct	1	2	3	4	5	6	7

Use odometer reading or months, whichever occurs first	Years	1	2	3	4	5	6	7
	x 1,000 km	15	30	45	60	75	90	105

Road test

Check ignition lock, auto transmission start switch,. ..... reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.	1	2	3	4	5	6	7

Service times

hours for Single OHC engine	1.6	2.0	1.6	2.7	1.6	2.0	1.6
hours for Double OHC engine	1.6	2.0	1.6	2.0	1.6	2.0	2.9
add hours for automatic transmission.....	0.2						

The owner will be charged for all lubricants and materials used plus labour at the times recommended above.

The repair or replacement of any part found faulty during a service check and not covered by a Holden's Warranty will be added to the charges. Where any deficiencies are noted, such items should be reported to the owner/operator so that the extra work required can be authorised.

15,000 km or 1 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hours

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

.....

.....

Signature .....Date.....

Engine compartment

	Ignition timing - check (Single OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

15,000 km or 1 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

.....

.....

.....

Lubricants

	Engine oil and filter - change
	Automatic trans. fluid level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

30,000 km or 2 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 2.0 hours

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Air cleaner paper element replace
	Ignition timing - check (Single OHC engine only)
	Spark plugs - check, replace if necessary
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel filter - replace
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Air conditioning system - check hoses and lines for proper routing and condition. Ensure condenser is clear of leaves or debris
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

30,000 km or 2 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

Lubricants

	Engine oil and filter - change
	Power steering fluid level - check, correct
	Automatic trans. fluid level - check, correct
	Manual trans. oil level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

45,000 km or 3 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hours

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Ignition timing - check (Single OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

45,000 km or 3 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

Lubricants

	Engine oil and filter - change
	Automatic trans. fluid level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

60,000 km or 4 year Service Coupon

10-13

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. - 2.7 hours for Single OHC engine
- 2.0 hours for Double OHC engine
- add 0.2 hours for automatic trans.

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Air cleaner paper element replace
	Ignition timing - check (Single OHC engine only)
	Spark plugs - check, replace if necessary
	Cogged belt - check condition, check tension with gauge, adjust (Single OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel filter - replace
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Air conditioning system - check hoses and lines for proper routing and condition. Ensure condenser is clear of leaves or debris
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

60,000 km or 4 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

Lubricants

	Engine oil and filter - change
	Power steering fluid level - check, correct
	Automatic transmission fluid - change
	Manual transmission oil level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

75,000 km or 5 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hours

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Ignition timing - check (Single OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

75,000 km or 5 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Lubricants

	Engine oil and filter - change
	Automatic trans. fluid level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

90,00 km or 6 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 2.0 hours

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Air cleaner paper element replace
	Ignition timing - check (Single OHC engine only)
	Spark plugs - check, replace if necessary
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel filter - replace
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Air conditioning system - check hoses and lines for proper routing and condition. Ensure condenser is clear of leaves or debris
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

90,000 km or 6 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Lubricants

	Engine oil and filter - change
	Power steering fluid level - check, correct
	Automatic trans. fluid level - check, correct
	Manual trans. oil level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

105,000 km or 7 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. - 1.6 hours for Single OHC engine

- 2.9 hours for Double OHC engine

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

105,000 km or 7 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

Engine compartment

	Ignition timing - check (Single OHC engine only)
	Cogged belt - replace (Double OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

Lubricants

	Engine oil and filter - change
	Automatic trans. fluid level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

120,000 km or 8 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx.
- 2.7 hours for Single OHC engine
- 2.0 hours for Double OHC engine
- add 0.2 hours for automatic transmission

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Air cleaner paper element replace
	Ignition timing - check (Single OHC engine only)
	Spark plugs - check, replace if necessary
	Cogged belt - check condition, check tension with gauge, adjust (Single OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel filter - replace
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Air conditioning system - check hoses and lines for proper routing and condition. Ensure condenser is clear of leaves or debris
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

120,000 km or 8 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Lubricants

	Engine oil and filter - change
	Power steering fluid level - check, correct
	Automatic transmission fluid - change
	Manual trans. oil level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

135,000 km or 9 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hours

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Ignition timing - check (Single OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

135,000 km or 9 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Lubricants

	Engine oil and filter - change
	Automatic trans. fluid level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

150,000 km or 10 year Service Coupon

10-25

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 2.0 hours

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Air cleaner paper element replace
	Ignition timing - check (Single OHC engine only)
	Spark plugs - check, replace if necessary
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel filter - replace
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Air conditioning system - check hoses and lines for proper routing and condition. Ensure condenser is clear of leaves or debris
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

150,000 km or 10 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

Lubricants

	Engine oil and filter - change
	Power steering fluid level - check, correct
	Automatic trans. fluid level - check, correct
	Manual transmission oil level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

165,000 km or 11 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hours

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Ignition timing - check (Single OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

165,000 km or 11 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

Lubricants

	Engine oil and filter - change
	Automatic trans. fluid level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

180,000 km or 12 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. - 2.7 hours for Single OHC engine
- 2.0 hours for Double OHC engine
- add 0.2 hours for automatic transmission

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Air cleaner paper element replace
	Ignition timing - check (Single OHC engine only)
	Spark plugs - check, replace if necessary
	Cogged belt - check condition, check tension with gauge, adjust (Single OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel filter - replace
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Air conditioning system - check hoses and lines for proper routing and condition. Ensure condenser is clear of leaves or debris
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

180,000 km or 12 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

Lubricants

	Engine oil and filter - change
	Power steering fluid level - check, correct
	Automatic transmission fluid - change
	Manual transmission oil level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

195,000 km or 13 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hours

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

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Signature .....Date.....

Engine compartment

	Ignition timing - check (Single OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

195,000 km or 13 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

Lubricants

	Engine oil and filter - change
	Automatic trans. fluid level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
	Headlight aiming - check
	Body/underbody corrosion protection - visually check body paint and underbody protection for damage

Chassis underbody

	Front/rear wheel disc brakes - remove wheels (mark rim to hub position) and visually check pad thickness
	Brake lines and hoses - check condition and check routing, free movement and condition. Lubricate cable on underbody in area of guides
	Exhaust system - check condition, tightness and routing, also check condition of rubber mounts
	Bellows of constant velocity joints/rack and pinion type steering gear and rubber bellows of wheel and tie rod joints - check
	Wheel nut torque, tyre condition, inflation pressure - check, correct

Road test

	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

210,000 km or 14 year Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. - 2.0 hours for Single OHC engine
- 2.9 hours for Double OHC engine

There will also be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

Additional Services Requested. .....

.....

.....

Signature .....Date.....

Engine compartment

	Air cleaner paper element replace
	Ignition timing - check (Single OHC engine only)
	Spark plugs - check, replace if necessary
	Cogged belt - replace (Double OHC engine only)
	Engine idling speed- check, adjust
	Exhaust emissions - check
	Fuel filter - replace
	Fuel system - visually check fuel system for leaks and fuel lines for routing, chafe marks and proper connection
	Drive belts - check condition, check adjust tension using gauge
	Brake fluid - change
	Air conditioning system - check hoses and lines for proper routing and condition. Ensure condenser is clear of leaves or debris
	Throttle control linkage - check for free movement. If necessary, grease all linkage and bowden cable joints, intermediate throttle shaft bearing, return spring at throttle valve assembly and accelerator pedal contact surface.
	Coolant - check level, check coolant %

210,000 km or 14 year SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

Lubricants

	Engine oil and filter - change
	Power steering fluid level - check, correct
	Automatic trans. fluid level - check, correct
	Manual transmission oil level - check, correct
	Engine, transmission - check visually for leaks

Body interior

	Lights and signalling devices (internal and external) check
	Windshield wash/wipe - check wipers and washers for correct function. Check, top up fluid level. Clean wiper blades and check condition
	Door hinges - lubricate. Also lubricate door stop and bonnet locking mechanism
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	Check ignition lock, auto trans start switch, reverse lamp switches. Check instruments and tell tales, turn signal for automatic cancelling, electric window operation, heating, a/c, demister. Check steering, brakes, unusual noises.

It may be necessary for Holden's to contact Holden owners from time to time. To enable this contact, records are maintained of owner's names and addresses.

So we can keep these records up to date, please complete one of these forms if you change your address or you have purchased this car from a previous owner. Please forward to Holden's address, which is shown on the back of the form.

Notice of Name/Address Ownership Change

PLEASE TICK ☑ APPROPRIATE SQUARE

☐ NAME/ADDRESS CHANGE

☐ SUBSEQUENT OWNER

Owner's Name Mr. Mrs. Miss .....

Address .....

Town .....

State .....

Registration No. .....

Vehicle Identification Number (I.S.O.V.I.N.) .....

(Refer Chapter 9 for location of I.S.O.V.I.N.)

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(Refer Chapter 9 for location of I.S.O.V.I.N.)

Place in an envelope and mail to:

The Manager - Warranty Administration
Service Department
General Motors-Holden's Automotive Limited
Box 548D, G.P.O.
Melbourne,
Victoria, 3001.

Place in an envelope and mail to:

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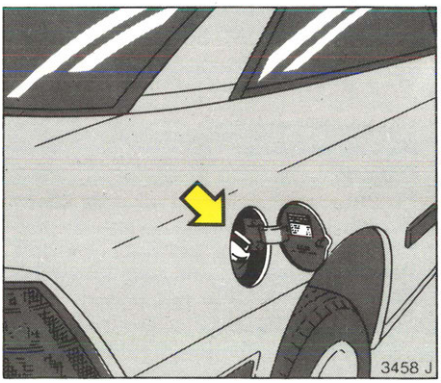
FUEL

CAUTION: Petrol is extremely flammable and highly explosive under certain conditions. Always stop the engine and do not smoke or allow open flames or sparks near the car when refuelling. If petrol fumes are noticed while driving, the cause should be determined and corrected, without delay.

The fuel filler flap is located behind the rear wheel arch, on the driver's side of the car.



When the driver's door is unlocked, flip open the fuel filler flap with your hand.

The fuel cap will then be revealed, beneath the flap. Screw anti-clockwise to remove.

A fuel filler nozzle restrictor is fitted to ensure that UNLEADED fuel is used. This allows the thinner, unleaded fuel nozzle to open the hinged flap, so that fuel may be added to the fuel tank. The leaded fuel nozzle is wider and therefore cannot open the flap.

Overfilling of the fuel tank can affect the evaporative Emission Control System. To avoid this, fuel tanks should always be filled at the intermediate or fast fill rate. After initial shut-off (or vent blow-back) no further fuel should be added. This retains the tank's ability to accommodate fuel expansion. Wipe off any overflowing fuel immediately.

TANK CAPACITY: 63 litres

Note that the use of unleaded petrol results in black tail pipe deposits rather than the grey colour with which most people are familiar. The black colour does not, therefore, indicate a state of poor engine tune.

C20 XE engine (Double Overhead Cam Engine)

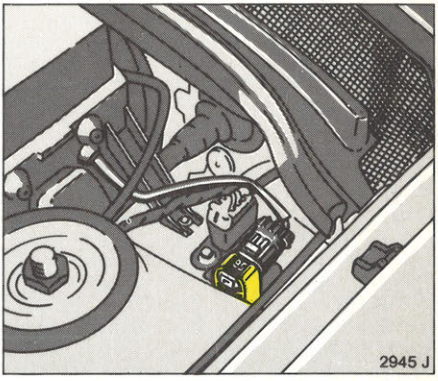
To reduce the exhaust pollutants in the atmosphere, your car has been designed to operate on a good quality, clean UNLEADED FUEL of at least 91 octane rating (Research Octane Number) and the engine will automatically adjust to suit the octane rating of the fuel that you select. The use of fuel other than unleaded will seriously damage the fuel system of your car (particularly the catalytic converter) and may void your Warranty.

C20NE engine (Single Overhead Cam Engine)

To reduce the exhaust pollutants in the atmosphere, your car has been designed to operate on a good quality, clean UNLEADED FUEL.

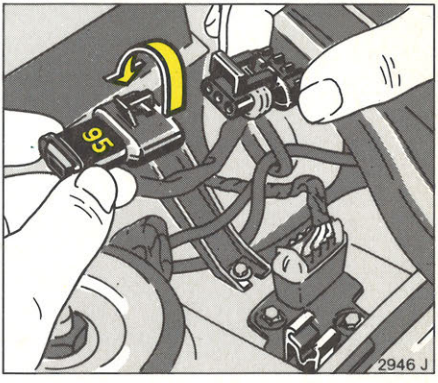
The use of other fuel will seriously damage the fuel system of your car (particularly the catalytic converter and oxygen sensor) and may void your Warranty.

You may elect to use either 91 octane rating (Research Octane Number) or 95 octane rating. Your car will originally be programmed to use 91. You may still fill up with the higher fuel, but to gain the benefit of the high octane you will have to reprogramme the car.



The programme number (91 octane or 95 octane) can be seen in front of the locking clip. If petrol with the other octane number is to be used, allow the tank to become practically empty, fill tank, make sure ignition is switched off, release coding plug from retainer, open locking clip, remove coding plug, turn plug over, reinsert into retainer and replace into car.

You should not fill the car with low octane (91 rating) if the coding plug is turned to 95 octane.



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